

Post text	Reach	Reach rate (% Reactions)
<p>67% of Mature AI Organizations Are Creating New AI Roles.</p> <p>87% already have dedicated AI teams, according to a Gartner survey.</p> <p>A lack of skills and staff is holding many back. Here are a few current &amp; emerging AI roles:</p> <ul style="list-style-type: none"> <li>• Chief AI Officer: Leads AI strategy and oversight.</li> <li>• Head of AI: Directs AI initiatives and teams.</li> <li>• AI Architect: Designs scalable AI system architecture.</li> <li>• AI Product Manager: Manages the AI product development lifecycle.</li> <li>• AI Risk &amp; Governance Specialist: Ensures AI compliance and risk management.</li> <li>• AI Ethicist: Addresses ethical implications of AI.</li> <li>• Model Manager: Oversees the AI model lifecycle.</li> <li>• Model Validator: Verifies AI model accuracy and reliability.</li> </ul>	-	-
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the careers that will dominate 2026 are being built today.

88% of execs plan to increase AI budgets.  
So, 81% of Tech professionals want to use AI.  
But, only 12% have the skills to do so effectively.

Here are the AI roles & skills that will define the next era:

• Head of AI: Leads the organization's overall AI strategy and teams. Skills: Strategic Planning, Leadership, Business Acumen

• AI Architect: Designs the end-to-end blueprint for enterprise AI. Skills: System Design, Cloud Platforms, MLOps

• AI Product Manager: Manages the AI product vision and lifecycle. Skills: Product Strategy, GenAI Understanding, Market Research

• Data Engineer: Builds and manages large-scale data pipelines for AI. Skills: Data Pipelines, Python, SQL

• ML Engineer: Builds and deploys production-grade machine learning models. Skills: Python, ML Algorithms, MLOps

• Data Scientist: Extracts insights and builds predictive model prototypes. Skills: Statistical Analysis, Python, ML Algorithms

Automation 101

Here's your checklist in the order of priority:

- ☑️🚫🗑️ Eliminate
- ☑️🔧🚀 Optimize
- ☑️📏📄 Standardize

☑️🔄🤖 Then Automate

What do you think?

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#AI #innovation #technology #automation

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Repost if this helped you see the shift 🔄🚀🗑️

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Employees are NOT using it - they don't see the value or don't know how to.

And I know exactly why...

All fancy AI licenses are worthless because you are:

- ❗ Throwing licenses at employees
- ❗ Forcing top-down adoption
- ❗ Assuming people will "figure it out"
- ❗ Focusing only on technology

The truth?

Having AI isn't enough; effective adoption is key.

Here's what successful companies do differently (5Es):

- Educate: Show AI capabilities w/ use cases & benefits
- Empower: Provide proper training and support
- Enable: Create space for experimentation
- Engage: Address concerns openly
- Execute: Implement clear adoption strategies

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#AI #innovation #technology #automation

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Ευχαριστούμε όλους τους συνεργάτες που συνέβαλλαν στην υλοποίηση του έργου. Η επιτυχία του έργου είναι αποτέλεσμα της συνεργασίας και της προσπάθειας όλων των μελών της ομάδας. Η επιτυχία του έργου είναι αποτέλεσμα της συνεργασίας και της προσπάθειας όλων των μελών της ομάδας. Η επιτυχία του έργου είναι αποτέλεσμα της συνεργασίας και της προσπάθειας όλων των μελών της ομάδας.

Here's the uncomfortable truth about RPA automation that nobody talks about:

- ,ùå "Autonomous operations" remained a fantasy
- ,ùå A change in a UI field broke the entire workflow
- ,ùå "Citizen developers" became "citizen firefighters"
- ,ùå ROI projections ignored the high maintenance costs
- ,ùå Enterprise-wide automation remained a PowerPoint fantasy

Agentic AI-led automation will change all that.

Here's why this time is different:

- REASONING over rule-following
- ADAPTATION over rigid programming
- AUTONOMY over constant monitoring
- COLLABORATION over isolated task execution

The difference?

RPA mimics human actions.

Agentic AI understands human intent.

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But it just might outshine AI agents in Enterprises.

200Œ Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So enterprise use is currently limited.

200Œ Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

200Œ What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

200Ä Market is evolving fast, tools & tech are changing.

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## Agent Networks: Dynamic systems that think, communicate, and act autonomously

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- Personal assistants that actually get things done
- E-commerce apps that predict what you need
- Enterprise systems that run themselves

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- Smart agents handling tasks automatically
- Agentic protocols enabling seamless coordination:
  - MCP for tool integration
  - A2A for agent negotiation

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## Traditional Apps & Tools: Static rule-based systems

## Agent Networks: Dynamic systems that think, communicate, and act autonomously

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Model collapse is imminent:  
• Bad data goes in  
• Amplified bad data comes out  
• That o/p becomes training data for the next  
• The cycle continues, getting worse each time

The solution? Start w/data responsibility

Your AI is only as good as what you feed it.

Remember:

The companies winning at AI aren't collecting the most data.  
They're collecting the RIGHT data.

What do you think?

Image credit: Ralph Aboujaoude Diaz

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Due to the rapid pace of change, the Gartner Hype Cycle for Emerging Technologies is a useful tool to understand the current state of the market. The cycle shows that AI is currently in the Trough of Disillusionment, which is a common phase for many emerging technologies. This means that while there is still a lot of excitement about AI, the initial hype has been tempered by reality. However, the cycle also shows that AI is moving towards the Slope of Enlightenment, which is a positive sign for the future of the technology.

The new Gartner Hype Cycle reveals what we suspected:  
Gen AI is sliding into the trough of disillusionment.

But here's what's rising to the top:

- AI-Ready Data
- AI TRISM
- Sovereign AI
- ModelOps
- AI Agents

Translation: Customers now want "AI-ready infrastructure," AI orchestration, and AI agents, not just another chatbot.

Drawing on this, here are 5 pillars every AI-mature enterprise must master:

1. AI Agents: Autonomous, goal-oriented systems that learn and adapt
2. AI-Ready Data: Governed, cataloged, real-time streams that fuel decisions
3. AI Orchestration: ModelOps, workflow automation, and intelligent resource allocation
4. AI TRISM: AI Trust, Risk, and Security Management - focus on reliability and accountability
5. Sovereign AI: Localized models that meet regulatory, data residency, and privacy requirements

Why this shift matters:

Infrastructure outlasts hype

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200Ä The market is evolving rapidly, and tools and technology are changing.

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10 years ago, I started following UiPath's journey & even wrote a book about it. Here's what's happening:

What UiPath did right:

- Built an amazing community, especially the free version
- Consistently innovated - the best in the space
- Showed better financial growth than others

But here's the painful truth nobody's talking about...

They have an identity crisis.

- Be a UI-based automation (RPA) company?
- Become a hyper-automation company (RPA vs Everything company)?
- Be an Agentic process automation company or Agentic automation company (RPA vs AI company)?

But a better time to solve RPA / UI automation with AI has never been.

Just ask Rabbit MQ, Adept AI, Anthropic, etc.

Market desperately needs a Universal API through UI

- Most business apps have NO APIs
- AI agents need universal APIs
- Current RPA is brittle



Εύχομαι να συνεχίσει να μεγαλώνει η UiPath και να γίνει η καλύτερη λύση για την αυτοματισμό, να δώσει λύσεις σε όλα τα προβλήματα και να γίνει η καλύτερη λύση για την αυτοματισμό, να δώσει λύσεις σε όλα τα προβλήματα και να γίνει η καλύτερη λύση για την αυτοματισμό, να δώσει λύσεις σε όλα τα προβλήματα και να γίνει η καλύτερη λύση για την αυτοματισμό...

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80-90% of the world's data exists in unstructured formats. 

We're solving this massive challenge with AI agents! 🤖

Here is the AI agent team (ready for any client)

## Üb 1 Manager Agent delegates tasks

❓ Extraction Agents pull data using AI models

### • Evaluador Agent verifies uncertain extractions

## ❓ Application Agent pushes to systems

❓ Communication Agent sends notifications

Here is an example implementation for a recent client:

1. User places invoice PDFs/images in a monitored folder	41279	108.88	689
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☞üí° Here are 100 ideas.

Download more formats and in high resolution here:  
<https://share.botnirvana.org/X6DN>

Are you ready to integrate AI agents, and if so, where are you at?

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It's AI AND API AND RPA.  
AI enhances decision-making and optimizes processes.  
APIs facilitate seamless integration and enable connectivity.  
RPA provides valuable integration where there are no APIs. (and there are many).  
Using AI, APIs, and RPA together is essential for comprehensive automation solutions.

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AI tool demos and enterprise customers

What do you think?

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Mind Blown! 🤖💡 This image perfectly captures the surprising truth about AI coding!

You buy tokens, hit 'Generate,' and pray for a bug-free jackpot...

But there is only one winner in the end. 🤖🏆

Hint: It's not you 🤖🙅

How do we move beyond 'vibe coding' and truly harness AI's power for valuable outcomes?

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AI tool demos and enterprise customers

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Repost if this helped you see the shift

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It doesn't have to be that way. Avoid these automation pitfalls:

❌ Unrealistic timelines.

✅ Instead: Plan for phased implementation over months, not weeks

❌ Overambitious goals.

✅ Instead: Set realistic ROI, incremental targets that compound over time

❌ Perfectionism paralysis (especially in doc processing)

✅ Instead of 100% accuracy upfront, think iterative & continuous improvement

❌ Technology/Tools overload.

✅ Instead: Start with high-impact, low-complexity processes and scale gradually

❌ Chasing vanity metrics.

✅ Instead: Focus on tangible business outcomes and continuous value tracking.

Let's STOP sabotaging your automation projects! 🛑

Remember: Successful automation is a marathon, not a sprint.

Patience, strategy, and realistic expectations are your best allies in this journey.

What do you think?

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Ευχαριστώ πολύ για την πρόσκληση. Είμαι πολύ χαρούμενος που θα συμμετάσχω στην εκδήλωση. Ελπίζω να είναι πολύ ενδιαφέρουσα και να μπορώ να ανταλλάξω απόψεις με τους άλλους. Είμαι πολύ ευγνώμων για την προσφορά σας και θα είμαι στην πόλη την Παρασκευή. Ευχαριστώ πολύ για την πρόσκληση. Είμαι πολύ χαρούμενος που θα συμμετάσχω στην εκδήλωση. Ελπίζω να είναι πολύ ενδιαφέρουσα και να μπορώ να ανταλλάξω απόψεις με τους άλλους. Είμαι πολύ ευγνώμων για την προσφορά σας και θα είμαι στην πόλη την Παρασκευή.

We arranged an RPA training, which cost us around 5k per participant.

I attended the training w/ the team. You know, it's easy, drag-and-drop, right?

And then, I realized that the use cases are great, and the optics are awesome, but...

The reality behind "easy" RPA bot implementation:

- Needs hours of intensive training
- Requires actual development skills past drag-and-drop
- Complex use cases need intricate bot-building experience

10+ years later, honestly, it's still not truly "easy" for non-developers

Don't fall for the "anyone can do it" hype. Effective automation needs skilled professionals.

What do you think?

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There's still massive confusion between task automation, agentic workflows, and true agentic orchestration.

Here's what you ACTUALLY need to know:

👉 RPA = Task Automation  
• Structured, repetitive tasks  
• High-volume processing  
• Lower costs (no AI model fees)

👉 APA = Agentic Workflows  
• Controlled AI agents in workflows  
• Operate within defined workflows  
• Agency within a defined context

👉 Agentic AI = True Autonomy  
• Complex autonomous decision-making  
• Real-time reasoning and planning  
• Adaptive architectures that evolve

Most companies think they only need #3.  
The winning companies? They're using the RIGHT automation for each task.

29635	72.93	457
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Each LLM has unique superpowers - and costly blindspots.

Here's how to choose the perfect model for your specific needs:

1. OpenAI

- Models: GPT-3, GPT-3.5, GPT-4 (proprietary)
- Strengths: Advanced conversational dialogue, multi-step reasoning, efficient computation, real-time interactions.
- Weaknesses: Requires commercial license or subscription for full functionality.

2. Anthropic

- Models: Claude 3.5 (Proprietary)
- Strengths: Incredible contextual understanding, human-like interactions, strong coding capabilities.
- Weaknesses: Credit-based subscription service with higher costs for enterprise plans.

3. Google

- Models: Gemini (proprietary)
- Strengths (Gemini): Large context windows, improved speed, reasoning, and multimodal processing.

88% of Senior executives are accelerating AI transformation, but 95% fail to deliver value.  
I'm at #IBMPartner TechXchange this week connecting with developers & leaders, and the one topic dominating every conversation?

Agentic AI - autonomous agents that don't just answer questions, but reason, decide, and act.

The problem everyone's hitting?

The agents work perfectly in pilots.  
Then they touch real data, real users, real scale ,Üí and break.

The issue isn't the agents themselves. It's the foundation.

Most organizations jump into agentic AI without the critical capabilities needed for production:

☒Üß TECHNICAL FOUNDATION:

- ,Üí Rapid agent development frameworks
- ,Üí Enterprise-grade error handling
- ,Üí End-to-end orchestration
- ,Üí Controlled autonomy

☒ÜéØ OPERATIONAL FOUNDATION:

- ,Üí Business-grade reliability
- ,Üí Built-in governance from day one
- ,Üí Real-time observability and monitoring
- ,Üí Change management and organizational alignment

Due to the rapid pace of change, the Gartner Hype Cycle for Emerging Technologies is a useful tool to understand the current state of the market. The cycle shows that AI is currently in the Trough of Disillusionment, which is a common phase for many emerging technologies. This means that while there is still a lot of excitement about AI, the initial hype has been tempered by reality. However, the cycle also shows that AI is moving towards the Slope of Enlightenment, which is a positive sign for the future of the technology.

The new Gartner Hype Cycle reveals what we suspected:  
Gen AI is sliding into the trough of disillusionment.

But here's what's rising to the top:

- AI-Ready Data
- AI TRISM
- Sovereign AI
- ModelOps
- AI Agents

Translation: Customers now want "AI-ready infrastructure," AI orchestration, and AI agents, not just another chatbot.

Drawing on this, here are 5 pillars every AI-mature enterprise must master:

1. AI Agents: Autonomous, goal-oriented systems that learn and adapt
2. AI-Ready Data: Governed, cataloged, real-time streams that fuel decisions
3. AI Orchestration: ModelOps, workflow automation, and intelligent resource allocation
4. AI TRISM: AI Trust, Risk, and Security Management - focus on reliability and accountability
5. Sovereign AI: Localized models that meet regulatory, data residency, and privacy requirements

Why this shift matters:

Infrastructure outlasts hype

51650

123.05

433

Επιπλέον, η χρήση του GPT-4 μπορεί να είναι πολύπλοκη και απαιτείται η γνώση προηγμένων τεχνικών.

Οι προκλήσεις που αντιμετωπίζουμε στην ανάπτυξη εφαρμογών με GPT-4 είναι πολλές. Η πρώτη είναι η ποιότητα των δεδομένων που τρέφουν το μοντέλο. Η δεύτερη είναι η κλίμακα των δεδομένων που απαιτείται για την εκπαίδευση του μοντέλου. Η τρίτη είναι η ταχύτητα της ανάπτυξης και η τεχνική υποστήριξη που απαιτείται.

You're not alone. Many either overcomplicate it or lack a clear roadmap.

Here's a step-by-step guide from OpenAI, based on 300+ implementations.

Οι βασικές αρχές που πρέπει να ακολουθήσουμε είναι: 1. Καθαρά δεδομένα, 2. Απλή και σαφή δομή, 3. Απλότητα στην ανάπτυξη.

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,ùå Don't build if simple rules can solve it

,úÖ Do build when you have:

- Complex decision-making requirements
- Unstructured data (docs, natural language)
- Brittle rule-based systems that keep breaking

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But it just might outshine AI agents in Enterprises.

Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So enterprise use is currently limited.

Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

Market is evolving fast, tools & tech are changing.

-

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It doesn't have to be that way. Avoid these automation pitfalls:

❌ Unrealistic timelines.

✅ Instead: Plan for phased implementation over months, not weeks

❌ Overambitious goals.

✅ Instead: Set realistic ROI, incremental targets that compound over time

❌ Perfectionism paralysis (especially in doc processing)

✅ Instead of 100% accuracy upfront, think iterative & continuous improvement

❌ Technology/Tools overload.

✅ Instead: Start with high-impact, low-complexity processes and scale gradually

❌ Chasing vanity metrics.

✅ Instead: Focus on tangible business outcomes and continuous value tracking.

Let's STOP sabotaging your automation projects! 🛑

Remember: Successful automation is a marathon, not a sprint.

Patience, strategy, and realistic expectations are your best allies in this journey.

What do you think?

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425

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32261

76.83

425

The convergence of RPA, BPM/BPA, ESB, and Integration Platform as a Service (IPaaS) is creating a new paradigm for enterprise automation. This convergence is leading to the emergence of Agentic Process Automation (APA) or Agentic Automation, which is the future of automation.

A big convergence is happening. UiPath, AA, Pega, MuleSoft, etc are all racing towards the same future - but most people don't see it coming.

The Evolution of Enterprise Automation:

- RPA, Intelligent Automation
- BPM/BPA, Digital Process Automation
- ESB, Integration Platform as a Service

All roads now lead to one destination: Agentic Process Automation (APA) or Agentic Automation

Why? Because AI agents are the future of automation. They can:

- Think and reason like humans
- Makes decisions autonomously
- Adapts quickly to changing conditions
- Work across multiple systems seamlessly

The future of automation is not about one tech or the other, it's convergence.

What do you think?

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1. RPA is a tool, not a technology.  
 2. RPA is a tool, not a technology.  
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 4. RPA is a tool, not a technology.  
 5. RPA is a tool, not a technology.  
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 10. RPA is a tool, not a technology.

Here's the uncomfortable truth about RPA automation that nobody talks about:

- "Autonomous operations" remained a fantasy
- A change in a UI field broke the entire workflow
- "Citizen developers" became "citizen firefighters"
- ROI projections ignored the high maintenance costs
- Enterprise-wide automation remained a PowerPoint fantasy

Agentic AI-led automation will change all that.

Here's why this time is different:

- REASONING over rule-following
- ADAPTATION over rigid programming
- AUTONOMY over constant monitoring
- COLLABORATION over isolated task execution

The difference?

RPA mimics human actions.

Agentic AI understands human intent.

36663

90.1

408

10 years ago, I started following UiPath's journey & even wrote a book about it. Here's what's happening:

What UiPath did right:

- Built an amazing community, especially the free version
- Consistently innovated - the best in the space
- Showed better financial growth than others

But here's the painful truth nobody's talking about...

They have an identity crisis.

- Be a UI-based automation (RPA) company?
- Become a hyper-automation company (RPA vs Everything company)?
- Be an Agentic process automation company or Agentic automation company (RPA vs AI company)?

But a better time to solve RPA / UI automation with AI has never been.

Just ask Rabbit MQ, Adept AI, Anthropic, etc.

The market desperately needs a Universal API through UI

- Most business apps have NO APIs
- AI agents need universal APIs
- Current RPA is brittle

105278

249.86

407

🤖™ Unpopular opinion: The Agentic AI revolution looks suspiciously like every other tech circus I've seen in 15 years.

I've been in tech long enough to have watched this movie before.  
Cloud, Crypto, RPA, Gen AI, and now.. AI agents.

Here's what I'm seeing right now with Agentic AI:

10,000 LinkedIn posts about "Cool agentic AI demos & solutions" ,úÖ  
VCs throwing money at anything with "AI" in the pitch deck ,úÖ  
50 people discussing hypothetical job loss concerns ,úÖ  
5 people building something genuinely useful ,úÖ

The hype-to-value ratio? Perfectly consistent with every tech wave we've survived.

When do more of us get to solving real problems from just riding this hype?

Image source: programmerhumor .io

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🤖Ø Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Repost if this helped you see the shift ,

#AI #innovation #technology #automation

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- Light & open-source LLMs
- Multistage LLM chains
- Model hubs & diffusion AI
- AIaaS for scalable AI services

- Knowledge graphs
- AI-generated synthetic data
- Scalable vector databases
- GenAI engineering tools

- Simulation twins & GenAI-native apps
- Enhanced workflow tools
- Multiagent generative systems





Microsoft now has powerful RPA/APA/Agentic Automation options.  
Here,Âs the breakdown:  
1. Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.  
- User-Friendly: Natural language tasks, no coding, full visibility.  
- Use Cases: Automates data entry, research, and more.

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Copilot Studio,Âs new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

- Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.
- User-Friendly: Natural language tasks, no coding, full visibility.
- Use Cases: Automates data entry, research, and more.

2. New! UiPath + Microsoft Integration:

The bidirectional integration between UiPath Studio and Copilot Studio enables developers to orchestrate automations across both platforms.

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Microsoft, IBM, Celonis, UiPath, AA, Pega, MuleSoft, etc, are all racing towards the same future - but most people don't see it coming.

A big convergence is happening.

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Key Building Blocks of Digital Automation:

- BPM/DPA/Low-code (Business Process Management/Digital Process Automation/Low-code)
- RPA (Robotic Process Automation)
- IDP (Intelligent Document Processing)
- Process Mining / Task Mining
- AI/ML (Artificial Intelligence/Machine Learning)
- iPaaS (Integration Platform as a Service)

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The automation game is changing, and here's why & how I'm making my leap:

☞ Market Shift:

RPA Market: \$18B in 2024 ,Ü \$73B by 2032 (Fortune Business Insights)  
 Agentic AI Market: \$14B in 2025 ,Ü \$141B by 2032 (MarketsandMarkets)

Traditional automation is slowing.  
Agentic AI is exploding.

## My Transition Plan: From "Bots" to "Brains"

## A Fundamental Transformation Across the Automation Lifecycle.

From: Building rigid bots  
To: Creating intelligent agents

Here's my 6-stage pivot:

## 1. PLANNING

## Old way: Map fixed processes

19295

51.05

354

Model collapse is imminent:  
Bad data goes in  
Amplified bad data comes out  
That o/p becomes training data for the next  
The cycle continues, getting worse each time

The solution? Start w/data responsibility

Your AI is only as good as what you feed it.

Remember:

The companies winning at AI aren't collecting the most data.

They're collecting the RIGHT data.

What do you think?

Image credit: Ralph Aboujaoude Diaz

27260

375.07

338

1. **Assisted Intelligence:** AI delivers insights; humans call the shots.  
 2. **Augmented Intelligence:** AI boosts human creativity and decision-making.  
 3. **Autonomous Intelligence:** AI takes the wheel and decides independently.  
 4. **Hybrid Stage:** AI and humans collaborate, blending strengths.  
 5. **Scalability:** AI matures to handle complex, organization-wide tasks.

How does AI adoption evolve? This model maps the journey and shifting human roles:  
 - Assisted Intelligence: AI delivers insights; humans call the shots.  
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 - AI as Advisor: Offers insights and suggestions for humans to act on.  
 - AI as Assistant: Streamlines tasks to save time and effort.

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[illegible]

They're making a costly mistake.

## Here's what the AI vendors won't tell you:

That "boring" RPA you're abandoning? It's still your best ROI for 70% of processes.

I mapped every automation technology against the real need.

The resulting quadrant is how I am mapping out the landscape now. ☺

The 2025 Automation Quadrant reveals:

☑ BUILD HERE FIRST (Green Zone)

- High-volume + Low complexity

## „Üí RPA, DPA, Intelligent Automation

Why? Proven. Reliable. Cost-effective.

23702

56.32

334

Ευχαριστούμε πολύ για την προσοχή σας. Ελπίζουμε να σας έχει αρέσει η παρουσίαση.

Ο στόχος είναι να δημιουργήσουμε ένα σύστημα που θα μπορεί να αντιμετωπίζει τις πιο δύσκολες περιπτώσεις, αλλά και να είναι εύκολο στην χρήση. Για να το πετύχουμε, θα πρέπει να έχουμε μια καλή οργάνωση των δεδομένων, να χρησιμοποιούμε τα κατάλληλα εργαλεία και να έχουμε μια καλή επικοινωνία με τους πελάτες.

You're not alone. Many either overcomplicate it or lack a clear roadmap.

Here's a step-by-step guide from OpenAI, based on 300+ implementations.

Ο πρώτος βήμα είναι να ορίσουμε το πρόβλημα που θέλουμε να λύσουμε. Είναι σημαντικό να έχουμε μια καλή κατανόηση του προβλήματος και να έχουμε μια καλή επικοινωνία με τους πελάτες.

Ο δεύτερος βήμα είναι να ορίσουμε τα εργαλεία που θα χρησιμοποιήσουμε. Είναι σημαντικό να έχουμε μια καλή κατανόηση των δυνατοτήτων των εργαλείων και να έχουμε μια καλή επικοινωνία με τους πελάτες.

Ο τρίτος βήμα είναι να ορίσουμε τις οδηγίες για το μοντέλο. Είναι σημαντικό να έχουμε μια καλή κατανόηση των οδηγιών και να έχουμε μια καλή επικοινωνία με τους πελάτες.

Ο τέταρτος βήμα είναι να ορίσουμε τα εργαλεία που θα χρησιμοποιήσουμε. Είναι σημαντικό να έχουμε μια καλή κατανόηση των δυνατοτήτων των εργαλείων και να έχουμε μια καλή επικοινωνία με τους πελάτες.

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Ο έκτης βήμα είναι να ορίσουμε το πρόβλημα που θέλουμε να λύσουμε. Είναι σημαντικό να έχουμε μια καλή κατανόηση του προβλήματος και να έχουμε μια καλή επικοινωνία με τους πελάτες.

Ο έβδομος βήμα είναι να ορίσουμε τα εργαλεία που θα χρησιμοποιήσουμε. Είναι σημαντικό να έχουμε μια καλή κατανόηση των δυνατοτήτων των εργαλείων και να έχουμε μια καλή επικοινωνία με τους πελάτες.

, αλλά Don't build if simple rules can solve it

, αλλά Do build when you have:

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Ο όγδοος βήμα είναι να ορίσουμε το πρόβλημα που θέλουμε να λύσουμε. Είναι σημαντικό να έχουμε μια καλή κατανόηση του προβλήματος και να έχουμε μια καλή επικοινωνία με τους πελάτες. Payment fraud analysis, insurance claims processing



is your vendor choice based on outdated information? It, AOS time for a change!

In an AI-first world, static quadrants mislead you on what's possible next.

Gartner realizes this and now has an "Emerging market quadrant":

,è≥ Garner "aims" to update this new quadrant every 4 weeks

☺üüä This new quadrant plots vendors based on features and future potential.

☺üîÑ Vendors are required to submit information more frequently to stay relevant.

☺üöÄ They are starting with "generative AI" vendors. (which is almost everyone? ☺üòÄ)

In terms of AI & Automation vendors:

☺üüà Microsoft leads the quadrant, showcasing the most features and future potential.

☺üöÄ UiPath & AA follow behind and almost have the future potential of Microsoft. ☺üŝî

☺üüä BPM players like Appian & Pega are "Emerging leaders" as well.

(Are they stronger in a converging world?)

☺üëÄ Keep an eye on emerging players like Glean, Writer, etc.

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Προσδοκώμενη εξέλιξη της υιοθέτησης της τεχνητής νοημοσύνης

Οι προκλήσεις της υιοθέτησης της τεχνητής νοημοσύνης είναι πολλές. Η έλλειψη γνώσεων και η έλλειψη κατανόησης των δυνατοτήτων της τεχνητής νοημοσύνης είναι οι μεγαλύτερες προκλήσεις. Η έλλειψη εμπιστοσύνης στην τεχνητή νοημοσύνη είναι επίσης μια μεγάλη πρόκληση. Η έλλειψη ηθικών αρχών και η έλλειψη διαφάνειας είναι άλλες προκλήσεις. Η έλλειψη κανονιστικού πλαισίου είναι επίσης μια πρόκληση.

Η υιοθέτηση της τεχνητής νοημοσύνης είναι μια διαδικασία που απαιτεί χρόνο και προσπάθεια. Η υιοθέτηση της τεχνητής νοημοσύνης είναι μια διαδικασία που απαιτεί την επένδυση πόρων. Η υιοθέτηση της τεχνητής νοημοσύνης είναι μια διαδικασία που απαιτεί την αλλαγή της νοοτροπίας.

How does AI adoption evolve? This model maps the journey and shifting human roles:

- Assisted Intelligence: AI delivers insights; humans call the shots.
- Augmented Intelligence: AI boosts human creativity and decision-making.
- Autonomous Intelligence: AI takes the wheel and decides independently.
- Hybrid Stage: AI and humans collaborate, blending strengths.
- Scalability: AI matures to handle complex, organization-wide tasks.

Η υιοθέτηση της τεχνητής νοημοσύνης είναι μια διαδικασία που απαιτεί την επένδυση πόρων. Η υιοθέτηση της τεχνητής νοημοσύνης είναι μια διαδικασία που απαιτεί την αλλαγή της νοοτροπίας. Η υιοθέτηση της τεχνητής νοημοσύνης είναι μια διαδικασία που απαιτεί την υιοθέτηση νέων ρόλων.

A roadmap for human-AI teamwork across six stages:

- AI as Advisor: Offers insights and suggestions for humans to act on.
- AI as Assistant: Streamlines tasks to save time and effort.

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Here are 100 ideas.

Download more formats and in high resolution here:  
<https://share.botnirvana.org/g9sF>

## Are you ready to integrate AI agents, and if so, where are you at?

— — — —

🔗 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Everyone thought RPA was "screen scraping" because that was the flashy part.

They missed the point entirely.

RPA wasn't about clicking buttons - it was about human-machine orchestration.  
 Now with agentic AI, we're entering a new age of networked orchestration.

## 2020-2021 FROM RPA TO AGENTIC AI: The Orchestration Evolution

After 10 years in intelligent automation, here's the evolution I see.

2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021  
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- Focus: Replace repetitive human tasks with bots
- Model: Orchestration of Human + Bot
- Bottleneck: Bot maintenance

2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021  
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Mind Blown! 🤖💡 This image perfectly captures the surprising truth about AI coding!

You buy tokens, hit 'Generate,' and pray for a bug-free jackpot...  
But there is only one winner in the end. 🏆👉  
Hint: It's not you 🤖👎

How do we move beyond 'vibe coding' and truly harness AI's power for valuable outcomes?

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👉👉👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

Repost if this helped you see the shift ,ôªÔ[]è

#AI #innovation #technology #automation	31209	76.39	296
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Microsoft now has powerful RPA/APA/Agentic Automation options.  
Here,Âs the breakdown:  
1. Copilot Studio,Âs new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

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(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

Copilot Studio,Âs new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

- Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.
- User-Friendly: Natural language tasks, no coding, full visibility.
- Use Cases: Automates data entry, research, and more.

2. New! UiPath + Microsoft Integration:

The bidirectional integration between UiPath Studio and Copilot Studio enables developers to orchestrate automations across both platforms.

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67% of Mature AI Organizations Are Creating New AI Roles.

87% already have dedicated AI teams, according to a Gartner survey.

A lack of skills and staff is holding many back. Here are a few current & emerging AI roles:

3u0î3u0 Chief AI Officer: Leads AI strategy and oversight.

3u0î3u0 Head of AI: Directs AI initiatives and teams.

3u0î3u0 AI Architect: Designs scalable AI system architecture.

3u0î3u0 AI Product Manager: Manages the AI product development lifecycle.

3u0î3u0 AI Risk & Governance Specialist: Ensures AI compliance and risk management.

3u0î3u0 AI Ethicist: Addresses ethical implications of AI.

3u0î3u0 Model Manager: Oversees the AI model lifecycle.

3u0î3u0 Model Validator: Verifies AI model accuracy and reliability.

	21673	51.26	290
Discover how AI agents are revolutionizing work and productivity. Join our AI Mastermind to master AI	4903	123.81	281



[illegible]

- APA definition and overview
- Evolution of Digital Automation - RPA to APA
- Understanding AI Agents, Agentic Workflows
- How APA Works, Ai Using AI Agents for automation
- How does APA differ from RPA
- Benefits of APA
- Challenges and Solutions
- The Future of Digital Automation

Discover how Agentic Process Automation (APA) is revolutionizing traditional automation methods:  
<https://share.botnirvana.org/jBP5>

— — —

🔗 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFww7QiX>

Repost if this helped you see the shift ,ôªÔ¼è

#AI #innovation #technology #automation

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It doesn't have to be that way. Avoid these automation pitfalls:

❌ Unrealistic timelines.

✅ Instead: Plan for phased implementation over months, not weeks

❌ Overambitious goals.

✅ Instead: Set realistic ROI, incremental targets that compound over time

❌ Perfectionism paralysis (especially in doc processing)

✅ Instead of 100% accuracy upfront, think iterative & continuous improvement

❌ Technology/Tools overload.

✅ Instead: Start with high-impact, low-complexity processes and scale gradually

❌ Chasing vanity metrics.

✅ Instead: Focus on tangible business outcomes and continuous value tracking.

Let's STOP sabotaging your automation projects! 🛑

Remember: Successful automation is a marathon, not a sprint.

Patience, strategy, and realistic expectations are your best allies in this journey.

What do you think?

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It uses specialized AI agents & people in a workflow to autonomously resolve tickets.

Here is how it works:

• Incident Creation: Business users submit support tickets via the IT portal.

• Workflow Trigger: The software incident support workflow is initiated to resolve.

• Incident Classification Agent: AI classifies the ticket and assigns it to the right agent.

• Incident Analysis Agent: Analyzes past articles, SOP's, etc for similar fixes and solutions.

• Solution Validation/Escalation: Agent validates solution w/KB else escalates to Human L3.

• Human-in-the-Loop: Humans validate and fully implement the resolution before finalizing.

• Resolution Completion & Update: The resolution agent updates the status in the system for users.

• Workflow Monitoring and Metrics: The system tracks interactions and reports metrics for improvements.

From rule-based robots to intelligent agents that plan & act.  
Here's how we got here

5 years ago:

RPA was king

Basic process automation

Simple, rule-based tasks

Repetitive work only

3 years ago:

Intelligent Automation emerged

Pattern recognition w/ML

Advanced OCR, analytics

Complex process handling

Today: AI Agents are taking over...

Autonomous decision making

Self-learning capabilities

Predictive intelligence

Augmenting roles

79688

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Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ!

Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ!

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Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ! Ευχαριστώ πολύ!"? Ευχαριστώ!

First came the LLMs (ChatGPT, Claude, Gemini)

Then came "AI RPA" (Computer Use, OpenAI Operator)

Then we saw LLM using API to execute (Anthropic MCP).

Now, we also see the integration of these Agents (Google A2A)

So, yes they are coming for Digital Automation.

But AI Agents are different...

Ευχαριστώ! Here's why:

,ú® They "Plan" - break down tasks into logical steps

,ú® They coordinate multiple systems simultaneously

,ú® They learn from feedback and adapt responses

,ú® They understand natural language instructions

,ú® They intelligently invoke tools & act

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Ευχαριστώ πολύ για την παρουσίαση και την κατανόηση των εργασιών.

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Due to the complexity of the data, the system is designed to handle a wide range of scenarios.

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The system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

UiPath just shared an example from Insurance how APA works as part of their new course.  
(link in comments)

This is a good way to contrast the approaches:

The system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

(all hard coded)

β Producer Email Request: Producer emails to amend contract for state appointment.

Ñ Email Understanding: System extracts data: producer's name, contract number, state.

ó Data Aggregation: System gathers data from CRM, licensing databases, etc.

•Ô Human Intervention: Licensing support manually navigates websites for licensing requirements.

ö Knowledge Review: Manually searches knowledge base for carrier policies and procedures.

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Επιπροσθέτως, η χρήση του AI μπορεί να είναι πολύ διαφορετική.

Από την άλλη, η χρήση του AI μπορεί να είναι πολύ διαφορετική. Η χρήση του AI μπορεί να είναι πολύ διαφορετική. Η χρήση του AI μπορεί να είναι πολύ διαφορετική.

However, most people confuse these types of AI, from IA to agents.

So here is a breakdown of what each of them means to you and your org:

🤖 RPA/DPA/IA: Your digital worker

- Handles repetitive tasks
- High setup effort
- Perfect for structured work

🗨️ Chatbots: Your digital receptionist

- Answers basic questions
- Medium setup effort
- Great for customer service

🧠 Copilots: Your smart assistant

- Makes contextual suggestions
- Medium guidance needed
- Boosts productivity

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Employees are NOT using it - they don't see the value or don't know how to.

And I know exactly why...

All fancy AI licenses are worthless because you are:

- Throwing licenses at employees
- Forcing top-down adoption
- Assuming people will "figure it out"
- Focusing only on technology

The truth?

Having AI isn't enough; effective adoption is key.

Here's what successful companies do differently (5Es):

- Educate: Show AI capabilities w/ use cases & benefits
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2015: "RPA will automate everything!"  
2025: "AI agents will automate everything!"

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2025: "AI agents will automate everything!"

Same hype. Same mistakes. Worse consequences.

Let me tell you what a decade in automation taught me the expensive way:

It was never about the technology.

RPA failed to scale, not because of technical limitations.

It failed because of the mindset and the approaches we took.

Here's the playbook that killed RPA (and is killing AI agents right now):

STEP 1: Get dazzled by shiny technology, create demos

STEP 2: Build impressive pilots, plan 100% automation

STEP 3: Show a big ROI by planning people reduction

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39186

92.68

248

$$\lim_{n \rightarrow \infty} \frac{1}{n} \sum_{k=1}^n f\left(\frac{k}{n}\right) = \int_0^1 f(x) dx.$$

Agent Networks: Dynamic systems that think, communicate, and act autonomously

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- Personal assistants that actually get things done
- E-commerce apps that predict what you need
- Enterprise systems that run themselves

[illegible]

- Smart agents handling tasks automatically
- Agentic protocols enabling seamless coordination:
  - MCP for tool integration
  - A2A for agent negotiation

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## The automation game is changing, and here's why & how I'm making my leap:

☐üâç Market Shift:

RPA Market: \$18B in 2024 ,Ü \$73B by 2032 (Fortune Business Insights)  
 Agentic AI Market: \$14B in 2025 ,Ü \$141B by 2032 (MarketsandMarkets)

Traditional automation is slowing.  
Agentic AI is exploding.

## My Transition Plan: From "Bots" to "Brains"

## A Fundamental Transformation Across the Automation Lifecycle.

From: Building rigid bots  
To: Creating intelligent agents

Here's my 6-stage pivot:

## 1. PLANNING

## Old way: Map fixed processes

15627

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Επιπλέον, οι AI Agents είναι οι πιο προηγμένες μορφές AI, οι οποίες μπορούν να εκτελούν αυτόνομα και πολύπλοκα έργα, χωρίς την ανάγκη συνεχούς επίβλεψης από τον άνθρωπο. Ωστόσο, η ανάπτυξη και η υλοποίηση τους απαιτεί σημαντικές πόρους και γνώσεις.

However, most people confuse these types of AI, from IA to agents.

So here is a breakdown of what each of them means to you and your org:

🤖 RPA/DPA/IA: Your digital worker

- Handles repetitive tasks
- High setup effort
- Perfect for structured work

🗨️ Chatbots: Your digital receptionist

- Answers basic questions
- Medium setup effort
- Great for customer service

🧠 Copilots: Your smart assistant

- Makes contextual suggestions
- Medium guidance needed
- Boosts productivity

👤 AI Agents: Your autonomous teammate

19446

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Εύκολο να καταλάβει ο άνθρωπος, να μιλάει με τον άνθρωπο, να κάνει πράγματα που ο άνθρωπος μπορεί να κάνει, να κάνει πράγματα που ο άνθρωπος δεν μπορεί να κάνει. • Είναι εύκολο να καταλάβει ο άνθρωπος, να μιλάει με τον άνθρωπο, να κάνει πράγματα που ο άνθρωπος μπορεί να κάνει, να κάνει πράγματα που ο άνθρωπος δεν μπορεί να κάνει.

Here's the difference that 90% get wrong... 🤖

🤖 RPA is like a trained bot:

- Follows predefined paths
- Can't think or adapt
- Needs constant supervision
- Breaks when rules change

🧠 AI Agents are like skilled assistants:

- Create their own workflows
- Adapt to new situations
- Learn from experience
- Make dynamic decisions

RPA follows YOUR process.

AI Agents CREATE their process.

The companies that understand this difference will disrupt industries in 2025.

What do you think?

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Are AI Agents another "Intelligent Automation"? 🤖

First came the LLMs (ChatGPT, Claude, Gemini)

Then came "AI RPA" ( (Computer Use, Project Mariner)

Now we're seeing LLM turning into API (Anthropic MCP) ...

So, yes they are coming for Digital Automation.

But AI Agents are different...

👉 Here's why:

• They "Plan" - break down tasks into logical steps

• They coordinate multiple systems simultaneously

• They learn from feedback and adapt responses

• They understand natural language instructions

• They intelligently invoke tools & act

AI Agents aren't just automation tools...

They're intelligent partners that grow and adapt with you.

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Meet APA, where workflows are smarter, faster, and more adaptable.  
With AI Agents, we're not just talking about doing things faster or smarter.  
We're talking about AI which can think, adapt, and execute complex workflows.  
Let's dive into the evolution that is redefining how we think about digital automation.

Remember the early days of automation? RPA was the game-changer, taking over repetitive tasks and freeing up our time. It was all about rule-based automation and manual workflow construction. Centralized robot management made it possible to handle tasks efficiently, but it has its limitations.

Then came Intelligent Automation, a significant leap forward. By integrating AI technologies like machine learning, computer vision, and NLP, IA could process unstructured data and perform predictive analytics. It didn't just automate; it made sense of the data, providing insights and self-healing capabilities. This was the era where automation got smarter and better.

This is what is happening if we are to believe the hype.

What's the truth?

- How many have truly implemented Agentic AI?
- Is Intelligent Automation still the answer?
- Is RPA & OCR really dead?

The truth is complex, with all tools still relevant based on your use case.  
Still see all of them in action though Agentic AI is the flavor of the times

Just as RPA was some time back - a change in hype?

What is your take?

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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But it just might outshine AI agents in Enterprises.

Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So enterprise use is currently limited.

Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

Market is evolving fast, tools & tech are changing.

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Microsoft, IBM, Celonis, UiPath, AA, Pega, MuleSoft, etc, are all racing towards the same future - but most people don't see it coming.

A big convergence is happening.

Microsoft, IBM, Celonis, UiPath, AA, Pega, MuleSoft, etc, are all racing towards the same future - but most people don't see it coming.

Key Building Blocks of Digital Automation:

- BPM/DPA/Low-code (Business Process Management/Digital Process Automation/Low-code)
- RPA (Robotic Process Automation)
- IDP (Intelligent Document Processing)
- Process Mining / Task Mining
- AI/ML (Artificial Intelligence/Machine Learning)
- iPaaS (Integration Platform as a Service)

All roads now lead to one destination: Agentic Process Automation (APA) or Agentic Automation.

Why? Because AI agents are the future of automation. They can:

- Think and reason like humans
- Make decisions autonomously
- Adapt quickly to changing conditions
- Work across multiple systems seamlessly

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Automation 101

Here's your checklist in the order of priority:

- ❑üóëÔè Eliminate
- ,öôÔè Optimize
- ❑üè Standardize

❑üñ Then Automate

What do you think? 5737 131.37 221



• Our hot-off-the-press APA report spills ALL the details:  
• How AI Agents are rewriting the automation game  
• The tech mashup (RPA + DPA + iPaaS + Process mining+ AI agents) that,Âs pure magic  
• LLMs & LAMs unlocking next-level Automation vibes  
• Who,Âs winning the APA race (capabilities, strengths, and weaknesses)  
• The ROI goldmine: How APA brings value - save cash, move fast, crush the competition  
• Your step-by-step APA takeover plan

Ready to ditch the old playbook and go full-on AI automation?

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The Agentic Process Automation (APA) landscape is evolving rapidly, and we're keeping a close eye on it.

Here's what we're seeing:

• Cloud Providers: Microsoft, IBM, Amazon, etc., are integrating AI agent capabilities into their cloud platforms.

• RPA Vendors: UiPath, Automation Anywhere, etc., are adding agentic capabilities to their RPA offerings.

• DPA/Low-code Vendors: Camunda, etc., are embedding AI agents into their process automation platforms.

• iPaaS Vendors: Mulesoft (Salesforce), Workato, etc., are enhancing their integration platforms with AI agents.

• AI-First Vendors: LangChain, Relevance AI, etc., provide frameworks for building and deploying AI agents.

• Innovative Players: Kognitos, Beam AI, etc., offer new approaches to AI-Agent powered automation.

• Traditional automation players (RPA, BPA, iPaaS) are converging with APA.

Are we missing any tools? Are you an APA player or know of any that's not mentioned, let's know in the -

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• **Traditional automation players (RPA, BPA, iPaaS)** are converging with APA.

Check out our 80+ page report on APA ([Link in comments](#))

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AI agents are redefining what's possible in AI & automation.  
They're not just chatbots. They're strategic partners.

• Autonomous Decision-Making: Execute complex tasks without constant oversight.

à Memory-Driven Personalization: Leverage past preferences for tailored outcomes.

,èÔè Seamless Execution: Orchestrate tools to deliver comprehensive results.

† Context Awareness: Adapt dynamically to user needs and real-time data.

éØ Goal-Oriented Planning: Break down objectives into actionable steps.

Ñ Problem Solving: Refine approaches through continuous learning.

ù Human-AI Collaboration: Amplify your team's expertise.

Here is an example for each:

1) Chatbot Example: An employee asks, "What's our company's policy on remote work expenses?"

An employee asks, "What's our company's policy on remote work expenses?"

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Ευχαριστώ πολύ για την προσφορά σας. Είμαι πολύ ευχαριστημένος/η για την βοήθεια που μου έχετε προσφέρει. Ελπίζω να μπορώ να ανταποδώσω με τον ίδιο τρόπο. Μετά από την επικοινωνία μας, είχα την εντύπωση ότι είχατε κάποιο πρόβλημα με την πρόσβαση στο σύστημα. Είχα κάνει μερικές δοκιμές και είχα βρει την αιτία. Είχα κάνει μερικές αλλαγές και είχα επανεκκινήσει το σύστημα. Ελπίζω να είστε ικανοποιημένοι. Αν χρειάζεστε βοήθεια, είμαι εδώ. Ευχαριστώ πολύ για την βοήθεια σας. Μετά από την επικοινωνία μας, είχα την εντύπωση ότι είχατε κάποιο πρόβλημα με την πρόσβαση στο σύστημα. Είχα κάνει μερικές δοκιμές και είχα βρει την αιτία. Είχα κάνει μερικές αλλαγές και είχα επανεκκινήσει το σύστημα. Ελπίζω να είστε ικανοποιημένοι. Αν χρειάζεστε βοήθεια, είμαι εδώ. Ευχαριστώ πολύ για την βοήθεια σας.

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👉 Connected Claude AI to Puppeteer MCP server

👉 Generated one detailed prompt with Claude

👉 Let AI figure out the automation code

👉 Watched it complete in milliseconds!

Warning: Traditional automation people might find this disturbing... 🤖

👉 Traditional RPA/BPM automation:

- Complex workflows & "low" code
- Rules-based programming

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is your vendor choice based on outdated information? It, AOS time for a change!

In an AI-first world, static quadrants mislead you on what's possible next.

Gartner realizes this and now has an "Emerging market quadrant":

,è≥ Garner "aims" to update this new quadrant every 4 weeks

☺üüä This new quadrant plots vendors based on features and future potential.

☺üîÑ Vendors are required to submit information more frequently to stay relevant.

☺üöÄ They are starting with "generative AI" vendors. (which is almost everyone? ☺üòÄ)

In terms of AI & Automation vendors:

☺üüà Microsoft leads the quadrant, showcasing the most features and future potential.

☺üöÄ UiPath & AA follow behind and almost have the future potential of Microsoft. ☺üŝî

☺üüä BPM players like Appian & Pega are "Emerging leaders" as well.

(Are they stronger in a converging world?)

☺üëÄ Keep an eye on emerging players like Glean, Writer, etc.

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[illegible]

- APA definition and overview
- Evolution of Digital Automation - RPA to APA
- Understanding AI Agents, Agentic Workflows
- How APA Works, Ai Using AI Agents for automation
- How does APA differ from RPA
- Benefits of APA
- Challenges and Solutions
- The Future of Digital Automation

Discover how Agentic Process Automation (APA) is revolutionizing traditional automation methods:  
<https://share.botnirvana.org/X6WH>

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🔗 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFww7QiX>

#AI #innovation #technology #automation

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Ευχαριστώ για την παρουσίαση. Ημερομηνία: 15/05/2024. Το θέμα της παρουσίασης είναι η "Εκτίμηση της Αξίας των Επενδύσεων στην Τεχνητή Νοητική (AI)". Η παρουσίαση θα εξετάσει την τρέχουσα κατάσταση της αγοράς, τις προκλήσεις και τις ευκαιρίες. Η παρουσίαση θα ολοκληρωθεί με συζητήσεις και ερωτήσεις.

While everyone's jumping on the agentic AI bandwagon...  
Gartner just dropped some sobering statistics:

- Only 130 out of THOUSANDS of "agentic AI" vendors are real
- Many vendors are just "agent washing" existing chatbots and RPA tools
- 19% of companies made significant investments, but most lack a clear ROI

The brutal reality? Most current AI models aren't mature enough to autonomously handle complex business goals.

But before you panic, here's what smart leaders are doing differently:

,ùå WRONG: Jumping on every "AI agent" solution  
,úÖ RIGHT: Asking "Does this deliver measurable ROI?"

,ùå WRONG: Retrofitting agents into inefficient workflows  
,úÖ RIGHT: Redesigning workflows with AI-first thinking

,ùå WRONG: Believing vendor promises about "revolutionary agents"  
,úÖ RIGHT: Recognizing only a few vendors are legitimate

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67% of Mature AI Organizations Are Creating New AI Roles.

87% already have dedicated AI teams, according to a Gartner survey.

A lack of skills and staff is holding many back. Here are a few current & emerging AI roles:

• Chief AI Officer: Leads AI strategy and oversight.

• Head of AI: Directs AI initiatives and teams.

• AI Architect: Designs scalable AI system architecture.

• AI Product Manager: Manages the AI product development lifecycle.

• AI Risk & Governance Specialist: Ensures AI compliance and risk management.

• AI Ethicist: Addresses ethical implications of AI.

• Model Manager: Oversees the AI model lifecycle.

• Model Validator: Verifies AI model accuracy and reliability.

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Before MCP, Agentic AI was tough. Now? It,Äôs autonomous magic.

2200âê Why MCP?

MCP is creating the standard rules (protocol) for the AI agent age, standardizing data and tool access.

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The best way to understand MCP is to see how things are done now (before MCP) and how MCP changes that:

2200†2200≤2200≥2200°2200∅2200≤ 2200†2200ñ2200ε:

2200ß AI agents require custom-built tools for each task.

2200îó Developers create individual tools for LinkedIn, Gmail, etc..

2200†Ô]è Thousands of developers write similar code for similar purposes.

2200âê Lack of a common standard leads to inefficiency, and it is very tedious.

2200†2200≥2200À2200≤2200∅ 2200†2200ñ2200ε:

2200•Ô]è MCP servers are "write once, use everywhere",Äê.g., Slack creates an MCP server, and everyone benefits.

2200ç AI models query MCP servers for available actions, selecting the right tools for tasks.

2200Ñ MCP,Äôs bi-directional protocol allows AI to understand actions & also execute them.

2200Ä With MCP, AI models autonomously use servers to execute tasks.

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Ευχαριστούμε όλους τους συνεργάτες μας που συνέβαλλαν στην υλοποίηση του έργου. Η ομάδα μας είναι περήφανη για το έργο που ολοκλήρωσε και ελπίζει να συνεχίσει να συνεργάζεται με όλους τους συνεργάτες της. Η ομάδα μας είναι περήφανη για το έργο που ολοκλήρωσε και ελπίζει να συνεχίσει να συνεργάζεται με όλους τους συνεργάτες της.

~80% of the world's data is stored in unstructured formats. 🤖

We're solving this massive challenge with AI agents! 🚀

See it in action in our demo tomorrow! (Link in comments)

Here's what our AI agent team delivers:

- Auto-extracts data from any format (PDF, email, scanned)
- Validates and maps to your Systems (eg, ERPs)
- Learns from all human decisions to get smarter
- Provides live tracking of every doc status

The results?

60-80% reduction in processing time, 95-100% accuracy, and zero backlogs.

Meet the dream team:

- Extractor Agent: Handles unstructured data extraction.
- Validator Agent: Applies business rules and mappings.
- Reviewer Agent: Provides analysis and recommendations.
- Application Agent: Enters data directly into your systems.

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Our Agentic OCR demo broke records and broke traditional assumptions.

Here are the Key insights from the session:

Εύελπτος Paradigm Shift: We, Εύελπτος are moving beyond rigid OCR and purpose-built ML models. Agentic OCR uses general-purpose, multimodal AI for highly flexible data extraction across various document formats.

Εύελπτος End-to-End Automation: Agentic systems orchestrate the full document process, Εύελπτος ingestion, extraction, validation, and System (ERP) integration, resulting in less manual work and faster, more accurate outcomes.

Εύελπτος Human-in-the-Loop and Adaptive Learning: Continuous improvement is built in. The system learns from every human intervention, dynamically adjusting to new scenarios and boosting automation rates over time.

Εύελπτος Multi-Agent Collaboration: The future is about orchestrating specialized agents (and humans!) that work together, learn, and adapt, unlocking scale and agility for ever-evolving business needs.

The feedback?	8458	21.4	186
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However, getting controlled agents is difficult unless you have them embedded in your workflows.

The best way to include agents in your workflows is to follow these five patterns shared by Anthropic<sup>a</sup>

,úçÔ[]è Prompt Chaining: Sequential steps. E.g. Content creation.

2u0ûû Routing: Direct to experts. E.g. Customer service.

2u0í° Parallelization: Concurrent tasks. E.g. Financial analysis.

2u0sù Orchestrator-Workers: Delegate and combine,ÄE.g. Project management.

2u0é® Evaluator-Optimizer: Refine outputs. E.g. Product design.

Why do we need Controlled AI Agents?

,úÖ Reliable Outcomes: Predictable decision-making.

2u0îç Error Tracking: Identify and address errors quickly.

2u0í∞ Cost Efficiency: Minimize expenses and maximize ROI.

AI Agents are the next big thing in AI & Automation.

So, here are 36 AI Agent Ideas for you.

What do you think?

Join us for the Agentic automation session tomorrow.  
(Link in comments)

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🔔 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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The 2025 Automation Reality Check  
 After analyzing hundreds of automations, I've mapped where different technologies work vs. the hype:  
 The 2025 Automation Reality Check

After analyzing hundreds of automations, I've mapped where different technologies work vs. the hype:

### GREEN ZONE (Your Foundation)

- High Tasks + Low Cognition , RPA/DPA/IA
- , Proven, reliable, cost-effective
- , Perfect for high-volume, repetitive processes
- , Battle-tested in regulated industries like finance
- , Why burn expensive AI tokens when you don't need to?

### YELLOW ZONE (Pilot Carefully)

- Low Tasks + Low Cognition , Computer Use
- (Perplexity Comet, OpenAI Operator, Claude)
- Perfect for low-volume tasks that were never worth automating before
- No coding required - natural language gets the job done

Ενός από τους βασικούς λόγους που οι επιχειρήσεις ενδιαφέρονται να υιοθετήσουν AI είναι ότι μπορεί να βοηθήσει στην αύξηση της παραγωγικότητας, στην βελτιστοποίηση των διαδικασιών και στην παροχή καλύτερης εξυπηρέτησης πελατών. Ωστόσο, η υιοθέτηση AI δεν είναι εύκολη και απαιτεί σημαντικές επενδύσεις σε τεχνολογία, προσωπικό και χρόνο.

But how do you practically integrate AI agents into your organization?

The first AI agent playbook for businesses just dropped, and I,Ãm thrilled to have contributed alongside top experts.

Here,Ãs a sneak peek from Chapter 8: A Practical Guide For Building Successful AI Agents.

Ενός από τους βασικούς λόγους που οι επιχειρήσεις ενδιαφέρονται να υιοθετήσουν AI είναι ότι μπορεί να βοηθήσει στην αύξηση της παραγωγικότητας, στην βελτιστοποίηση των διαδικασιών και στην παροχή καλύτερης εξυπηρέτησης πελατών. Ωστόσο, η υιοθέτηση AI δεν είναι εύκολη και απαιτεί σημαντικές επενδύσεις σε τεχνολογία, προσωπικό και χρόνο.

🔹 Step 1: Identify Opportunities: Find tasks where AI Agents adds significant value.

🔸 Step 2: Design Roles and Functions: Craft roles and functions for your AI agent.

🗺️ Step 3: Map for Success: Outline workflows and success criteria.

🛠️ Step 4: Implement: Use the right tools to bring your agent to life.

I break it all down in a step-by-step video (link in comments).

The book,Ãs packed with much more, including best practices, strategies, and real world examples -



[illegible]

## Meet the family:

C: The respected grandfather. Built everything.

C#: The overachiever. C's ambitious daughter.

Java: The reliable corporate employee. Does the job.

PHP: The web's workhorse. Gets things done quietly.

Then there's RPA.

RPA showed up to the family dinner with:

• No code required

## Ä Drag-and-drop stuff

,Äç "I'll just record what humans do."

How did we get here?

Simple. Business moved faster than IT departments.

People needed automation NOW.

Not after 6 months of development.

Not after learning C or C#.

NOW.

Automation 101

Here's your checklist in the order of priority:

- ❑ Eliminate
- ❑ Optimize
- ❑ Standardize

❑ Then Automate

What do you think?	4488	80.59	174
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Due to the complexity of the data, the system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

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The system is designed to handle a wide range of scenarios.

UiPath just shared an example from Insurance how APA works as part of their new course.  
(link in comments)

This is a good way to contrast the approaches:

The system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

(all hard coded)

β Producer Email Request: Producer emails to amend contract for state appointment.

Ñ Email Understanding: System extracts data: producer's name, contract number, state.

ó Data Aggregation: System gathers data from CRM, licensing databases, etc.

•Ô Human Intervention: Licensing support manually navigates websites for licensing requirements.

ö Knowledge Review: Manually searches knowledge base for carrier policies and procedures.

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Standing on stage in São Paulo, I realized something:

I was the only person in the room who didn't speak Portuguese. 🇧🇷

Automation leaders from all over Brazil. 2 translators working non-stop.

One American sharing a vision for the future of AI & Automation.

And you know what? It was absolutely incredible.

I keynoted BotCity's premier AI & Automation event with a talk on RPA to AI Agents.

Here's the roadmap I shared:

👉 Start on your existing RPA/DPA and Intelligent Automation foundations

👉 Build Agentic Process Automation (APA) & RAG projects now

👉 Plan for fully Agentic AI systems

But here's what really matters, it's the  $\infty$  of reshaping how we work:

🔄 Reshaping how we work:

1️⃣ The era of "if this, then that" is ending. AI agents will learn, adapt, and make decisions in real-time w/ humans orchestrating them.

👉 The era of "if this, then that" is ending. AI agents will learn, adapt, and make decisions in real-time w/ humans orchestrating them.

The era of "if this, then that" is ending. AI agents will learn, adapt, and make decisions in real-time w/ humans orchestrating them.

2️⃣ The era of disconnected tools is ending. Imagine one intelligent layer where specialized agents collaborate

👉 Forget disconnected tools. Imagine one intelligent layer where specialized agents collaborate

Forget disconnected tools. Imagine one intelligent layer where specialized agents collaborate

6519

15.74

173

From rule-based robots to intelligent agents that plan & act.  
 Here's how we got here

From rule-based robots to intelligent agents that plan & act.

Here's how we got here

5 years ago:

- RPA was king
- Basic process automation
- Simple, rule-based tasks
- Repetitive work only

3 years ago:

- Intelligent Automation emerged
- Pattern recognition w/ML
- Advanced OCR, analytics
- Complex process handling

Today: AI Agents are taking over...

- Autonomous decision making
- Self-learning capabilities
- Predictive intelligence
- Augmenting roles

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IBM's report uncovers the urgent need for change in finance.  
(also applicable to other businesses)

Real-time governance is crucial.

Misalignment causes drift and deception.

Enforce strict reset and audit policies.

Prevent bias and data misuse.

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Everyone talks about it.

Nobody really knows how to do it.

Everyone thinks everyone else is doing it...

So everyone does pilots to claim they are doing it üä

Stop building Agentic AI pilots. Instead, add controlled agents with APA.  
(Download our 80-page report - link in comments)

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éØ Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

Repost if this helped you see the shift ,ôâÏè

#AI #innovation #technology #automation

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Then came "AI RPA" ( (Computer Use, OpenAI Operator)

Now, we also see the integration of these Agents (Google A2A)

But AI Agents are different...

- They "Plan" - break down tasks into logical steps

- **ú® They learn from feedback and adapt responses**

- **ú® They intelligently invoke tools & act**



Hierarchical: A supervisor agent orchestrates specialized sub-agents for structured decision flow. (most common)  
 Example: Supervisor coordinates retrieval from internal data, web searches, and personal accounts.  
 Human-in-the-loop: Requires human input before proceeding, especially with sensitive data.  
 Example: Agent asks for human approval before entering invoice data into the invoice system.  
 Shared tools: Different agents have access to the same set of shared tools.  
 Example: Agents access a central database with user information using a search tool.  
 Sequential: Agents process tasks one after another, the output of one becoming input for the next.  
 Example: A query agent retrieves information using vector search, then another uses web search.  
 Network (Horizontal) Architecture: Agents communicate directly, forming a decentralized network.  
 Example: Multiple agents in a customer service system collaborate to resolve a customer issue  
 Data Transformation Architecture: Dedicated to enriching and transforming data.

Here are the 6 Agentic architectures that are driving the big shift:

Hierarchical: A supervisor agent orchestrates specialized sub-agents for structured decision flow. (most common)

Example: Supervisor coordinates retrieval from internal data, web searches, and personal accounts.

Human-in-the-loop: Requires human input before proceeding, especially with sensitive data.

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Example: Multiple agents in a customer service system collaborate to resolve a customer issue

Data Transformation Architecture: Dedicated to enriching and transforming data.

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[illegible]

⌘ Watched it complete in milliseconds!

❓ Traditional RPA/BPM automation:

- Complex workflows & "low" code
- Rules-based programming

11192

29.42

160

The AI world is about to undergo a radical transformation - the landscape will look completely different by 2026.

Nvidia Just Declared: The Future Is SLMs, Not Bigger LLMs.

Hybrid SLM systems have just achieved:  
- 10x faster inference for on-device use  
- 50x breakthrough in longevity science using a FRACTION of the LLM parameters.

As per their groundbreaking 2025 research, hybrid SLM systems have just achieved:

- 10x faster inference for on-device use
  - 50x breakthrough in longevity science using a FRACTION of the LLM parameters
- Results? New proteins that outperform previous benchmarks with faster cell reprogramming. Game-changing stuff.

But wait, it gets crazier.

Even OpenAI (yes, the "bigger is better" company) just proved this with GPT-4b Micro.

They achieved a 50x breakthrough in longevity science using a FRACTION of the LLM parameters.

Results? New proteins that outperform previous benchmarks with faster cell reprogramming. Game-changing stuff.

Εάν ο οργανισμός σας έχει ήδη υλοποιήσει κάποια από τις παραπάνω λύσεις, τότε η επόμενη βήμα είναι να εξετάσετε την δυνατότητα να τις συνδυάσετε. Η συνδυαστική χρήση των λύσεων μπορεί να οδηγήσει σε σημαντικές βελτιώσεις στην απόδοση και στην εξοικονόμηση κόστους.

Here,Âs how I break it down:

1. **ΒPM (Business Process Management):** The first step in managing business processes.

2. **DPA (Digital Process Automation):** Low-code platforms for end-to-end process automation.

3. **RPA (Robotic Process Automation):** Automation of repetitive tasks through screens/UI & APIs.

4. **IA (Intelligent Automation):** Merging RPA with AI/ML & recently with Gen AI for task automation.

Each step has transformed how we work, making processes more efficient.

But what,Âs next? We,Âre on the brink of a new era where automation technologies converge into agentic systems.

First into AI agents in workflows - Agentic Process Automation (APA)

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From rule-based robots to intelligent agents that plan & act.  
Here's how we got here

5 years ago:

RPA was king

Basic process automation

Simple, rule-based tasks

Repetitive work only

3 years ago:

Intelligent Automation emerged

Pattern recognition w/ML

Advanced OCR, analytics

Complex process handling

Today: AI Agents are taking over...

Autonomous decision making

Self-learning capabilities

Predictive intelligence

Augmenting roles

-

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This reference architecture provides a blueprint from user interfaces to performance monitoring:  
 - Seamless user & app interaction with multi-agent system.  
 - Robust interfaces mitigate errors while guiding the agents.  
 - Enables Controlled and Predictable agent interactions  
 - Adds Human oversight to ensure risk management  
 - Create, manage, and deploy role-specific agents  
 - Industrializes the creation of agents with LLMs and:  
 - Tools like search engines, financial analysis, code interpreters  
 - Data Sources like customer records, market data, incident history  
 - Memory including short & long-term memory for seamless task execution  
 - Continuous performance monitoring via operational, qualitative, and thought metrics

This reference architecture provides a blueprint from user interfaces to performance monitoring:

#### Interaction Layer:

- Seamless user & app interaction with multi-agent system.
- Robust interfaces mitigate errors while guiding the agents.

#### Workflow Layer:

- Enables Controlled and Predictable agent interactions
- Adds Human oversight to ensure risk management

#### Agents Layer:

- Create, manage, and deploy role-specific agents
- Industrializes the creation of agents with LLMs and:
  - Tools like search engines, financial analysis, code interpreters
  - Data Sources like customer records, market data, incident history
  - Memory including short & long-term memory for seamless task execution

#### Agent Operations Layer:

- Continuous performance monitoring via operational, qualitative, and thought metrics

What do you think?

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Traditional RPA is your go-to for high-volume, repetitive, and structured tasks. It's cost-effective and requires lower cognitive effort, making it perfect for routine operations. APA (Agentic process automation) is better for medium to low-volume workflows due to added token costs for LLMs. It is ideal for tasks that require intelligence and need to be controlled. AI Agents are designed for lower-volume complex tasks that are open for creative solutions. It's best to leverage the reasoning LLMs for planning and execution for best results (and so higher costs). It's not about which technology wins but which technology or tool to use for your current use case. So understanding this distinction can help you choose the right technology to automate efficiently.

Here's a simplified breakdown:

Traditional RPA is your go-to for high-volume, repetitive, and structured tasks. It's cost-effective and requires lower cognitive effort, making it perfect for routine operations.

APA (Agentic process automation) is better for medium to low-volume workflows due to added token costs for LLMs. It is ideal for tasks that require intelligence and need to be controlled.

AI Agents are designed for lower-volume complex tasks that are open for creative solutions. It's best to leverage the reasoning LLMs for planning and execution for best results (and so higher costs).

It's not about which technology wins but which technology or tool to use for your current use case.

So understanding this distinction can help you choose the right technology to automate efficiently.

How do you see this transforming automation?

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

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Αυτό είναι το πρώτο βήμα για να ξεκινήσουμε να μιλάμε για Agent Process Automation (APA).  
Το APA είναι η επόμενη γενιά της RPA, η οποία προσφέρει μια πιο ολοκληρωμένη και ευέλικτη λύση για την αυτοματισμό των διαδικασιών.  
(Αυτό είναι το πρώτο βήμα).

- APA definition and overview
- Evolution of Digital Automation - RPA to APA
- Understanding AI Agents, Agentic Workflows
- How APA Works ,Ã Using AI Agents for automation
- How does APA differ from RPA
- Benefits of APA
- Challenges and Solutions
- The Future of Digital Automation

Discover how Agentic Process Automation (APA) is revolutionizing traditional automation methods:  
<https://share.botnirvana.org/gHGJ>

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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I built an AI agent team that automated 4 hours of sales research in just 10 minutes 🤖📊

👉 In this step-by-step guide, I demonstrate how ANYONE can create a powerful AI agent team using Relevance AI, even with zero technical experience.

Here's what I cover:

- 🔹 How to design a 3-agent system with a manager agent and specialized sub-agents
- 🔹 The simple 4-step framework for building ANY successful AI agent team
- 🔹 A complete workflow map that you can implement TODAY

The best part? This same approach works for customer service, operations, document processing, and dozens of other business applications.

👉 Watch the full video in my comments to see the step-by-step implementation.

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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We also have the audiobook now. I am amazed at the speed of delivery from the team, especially the lead author, Pascal Bornet.

Agentic AI is poised to redefine the future, and experts agree it's the next big leap in tech:

„AI agents will become the primary way we interact with computers in the future.“ ,Äi Satya Nadella

„The age of agentic AI is here.“ – Jensen Huang

A huge thank you to everyone who supported this project and helped bring this vision to life.

From the rise of ChatGPT, there has been a desire for more autonomous systems.  
Systems that could utilize foundational models + tools & memory to act.  
Here are a few iterations we made along the way to Agentic AI:

#### Foundation Models:

- Next-token prediction
- Simple input-output
- Original foundation models
- Example: GPT-1

#### Chatbots:

- Instruction fine-tuned
- Engaging conversations
- Trained to chat with users

Example: ChatGPT

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The future of automation with AI just got VERY INTERESTING ...

I've been testing the 3 approaches to automation, and here's why they change everything

Traditional RPA: (Our tried & tested favorite)

- Rule-based automation
- Manually programmed workflows
- Like a robot following exact instructions
- Perfect for repetitive tasks

Agentic Process Automation / Agentic Automation: (AI agents part of workflows)

- AI agents working within a Workflow
- Agents use LLMs & Plan
- LLMs execute with Tools & Memory
- Great for complex workflows

Anthropic's "Computer Use": (AI/LLM doing RPA)

- Direct AI control of your computer
- No workflows or configuration
- Just conversation-based execution
- Another paradigm shift

Will we still need frameworks like UiPath and Automation Anywhere when LLMs can directly control our computers?

Will we still need frameworks like UiPath and Automation Anywhere when LLMs can directly control our computers? -

Ευχαριστώ πολύ για την παρουσίαση και την κατανόηση των εργασιών.

Ευχαριστώ πολύ για την παρουσίαση και την κατανόηση των εργασιών.

"Ευχαριστώ πολύ για την παρουσίαση και την κατανόηση των εργασιών."

Ευχαριστώ πολύ για την παρουσίαση και την κατανόηση των εργασιών."

First came the LLMs (ChatGPT, Claude, Gemini)

Then came "AI RPA" (Computer Use, OpenAI Operator)

Then we saw LLM using API to execute (Anthropic MCP).

Now, we also see the integration of these Agents (Google A2A)

So, yes they are coming for Digital Automation.

But AI Agents are different...

But Here's why:

• They "Plan" - break down tasks into logical steps

• They coordinate multiple systems simultaneously

• They learn from feedback and adapt responses

• They understand natural language instructions

• They intelligently invoke tools & act

-

-

What you design vs. what you deploy. ☹️

Bot design meetings are like: ,ÀThis will revolutionize the industry.,À

The bot Production team is like: ,ÀThat's Good enough.,À

When your bot goes live,À¶ It,Às a very minimum viable product. ☹️

What do you think?

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☹️ Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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1. Focus on high-impact, low-friction ideas  
 2. Business value: Will this move the needle on strategic priorities?  
 3. Actionability: Can we adopt it easily and scale fast?  
 4. Feasibility: Is the data ready? Is the tech reliable?

Here are 3 clear steps backed by real-world experience (From Google)

Top-down: Link corporate strategy to specific AI domains and use cases  
 Bottom-up: Gather feedback from the ground to surface practical ideas  
 Domain focus: Build across value chains, not isolated use cases

1. Focus on high-impact, low-friction ideas  
 2. Business value: Will this move the needle on strategic priorities?  
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Focus on high-impact, low-friction ideas

1. Focus on high-impact, low-friction ideas  
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 3. Actionability: Can we adopt it easily and scale fast?  
 4. Feasibility: Is the data ready? Is the tech reliable?

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Meet China's Deepseek 2.0 coming for automation: Meet Manus (see demo in the comments)

What is Manus?

- An AI agent capable of autonomous task execution across domains.
- Handles complex tasks, not just repetitive ones.

Could this be the Future of Automation?

- AI agent w/ Deep research, planning & Computer Use.
- No need to manually code 1000s of workflows.
- Orchestrates multiple workflows in the cloud.
- Handles 50 tasks simultaneously right now.
- Crazy part: Zero human involvement.

Manus' Versatile Capabilities:

Task Automation: SNS analysis to financial transactions

Data Analysis: Extracts info from large datasets

Content Creation: Automates and assists in creation

Freelance Task Execution: Platforms like Upwork and Fiverr

Research and Analysis: Conducts research, makes recommendations

Why Manus Matters:

A significant leap in AI, ushering in a new era of versatile AI agents.

-

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ΕΠΙΧΕΙΡΗΣΙΑΚΗ ΣΤΡΑΤΗΓΙΚΗ  
ΟΡΓΑΝΙΣΜΟΣ  
& ΕΠΙΧΕΙΡΗΣΙΑΚΗ ΣΤΡΑΤΗΓΙΚΗ

Wondering what skills will be crucial by 2030?

According to the World Economic Forum, AI mastery and leadership skills top the list.

But here's the twist: AI & Tech skills are rated higher than leadership skills.

Let's unpack this:

AI & Tech Mastery:

AI is transforming all the jobs:

Software jobs: AI is transforming how you develop, test, and deploy.

Marketing jobs: AI is transforming how you do content, social, and promotional strategies.

Finance jobs: AI is transforming how you do accounting, forecasting, and budgeting processes.

New Technology, especially Agentic AI, will change the way we work forever.

Leadership Skills:

You will be an 'agent boss,' driving outcomes.

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Ευχαριστώ πολύ για την προσφορά της γνώσης και της βοήθειας. Ελπίζω να μπορώ να εφαρμόσω τις γνώσεις που έχω αποκτήσει από την ανάλυση των δεδομένων και την επεξεργασία των αποτελεσμάτων. Ελπίζω να μπορώ να χρησιμοποιώ τις γνώσεις που έχω αποκτήσει από την ανάλυση των δεδομένων και την επεξεργασία των αποτελεσμάτων.

Master these 6 essential skills to get ahead:

1. Know the landscape of AI models for agent development

- Know the landscape of AI models for agent development
- Understand model capabilities, tool calling, and performance optimization for agentic systems

Resources: Try out models w/ OpenWebUI or LM Studio, YouTube demo videos

2. Craft instructions that enable agents to reason and act autonomously

3. Master chain of thought, structured outputs, and dynamic prompting for agent interactions

- Craft instructions that enable agents to reason and act autonomously
- Master chain of thought, structured outputs, and dynamic prompting for agent interactions

Resources: Eugene Yan's Prompting Guide, DAIR AI Prompt Engineering Guide

4. Transform generic AI agents into domain-specific experts

5. Learn vector databases, semantic search, and intelligent chunking for agent knowledge retrieval

Transform generic AI agents into domain-specific experts

Learn vector databases, semantic search, and intelligent chunking for agent knowledge retrieval

Resources: Greg Kamradt's Fullstack Retrieval Series

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The future of automation with AI just got VERY INTERESTING ...

I've been testing the 3 approaches to automation, and here's why it changes everything

Traditional RPA: (Our tried & tested favorite)

- Rule-based automation
- Manually programmed workflows
- Like a robot following exact instructions
- Perfect for repetitive tasks

Agentic Process Automation / Agentic Automation: (AI agents part of workflows)

- AI agents working within a Workflow
- Agents use LLMs & Plan
- LLMs execute with Tools & Memory
- Great for dynamic workflows

Open AI Operator/Anthropic's "Computer Use"/Google Marnier: (AI/LLM doing RPA)

- Direct AI control of your computer
- No workflows or configuration
- Just conversation-based execution
- Another paradigm shift

Will we still need frameworks like UiPath and Automation Anywhere when LLMs can directly control our computers?

Will we still need frameworks like UiPath and Automation Anywhere when LLMs can directly control our computers? -

I have run 7 full marathons and many half marathons.  
But I started running accidentally! You can too:

- I always wanted to run the Chicago marathon. But I could not even run 1/2 a mile nonstop
  - Entry was on a first come first basis and I was too busy (more like lazy) to submit amid the rush.
  - It was 2013 and the system crashed due to load! They went in for a lottery for the remaining slots.
  - I put in my bid, „We will see if we get it,“. Then I got it. Then I said, I will pay (\$170) & then worry.
  - Once I paid, due to sunk cost, I wanted to run I panicked and asked for help.
  - I started with .5 miles, then 1 mile, then 3 miles, and so on up to 10 miles.
  - Then I signed up and ran a half marathon which I completed in about 2 hrs.
  - On D-day, I almost gave up after 19 miles, but somehow walked & crawled the 26 miles in 4.5 hrs.
- Yeah! Ü

Here are the lessons I learned from changing from a non-runner to a marathon finisher:

- „ Start small and work your way up.
- „ Having a CLEAR goal galvanizes you.
- „ Put your heart over the bar & body follows.
- „ Perseverance is key to achieving your dreams.
- „ System crashes are painful but sometimes helpful. „

If I can, you can too! What do you think?

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

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is your vendor choice based on outdated information? It, AOS time for a change!

In an AI-first world, static quadrants mislead you on what's possible next.

Gartner realizes this and now has an "Emerging market quadrant":

,è≥ Garner "aims" to update this new quadrant every 4 weeks

☺üüä This new quadrant plots vendors based on features and future potential.

☺üîÑ Vendors are required to submit information more frequently to stay relevant.

☺üöÄ They are starting with "generative AI" vendors. (which is almost everyone? ☺üòÄ)

In terms of AI & Automation vendors:

☺üüà Microsoft leads the quadrant, showcasing the most features and future potential.

☺üöÄ UiPath & AA follow behind and almost have the future potential of Microsoft. ☺üſî

☺üüä BPM players like Appian & Pega are "Emerging leaders" as well.

(Are they stronger in a converging world?)

☺üëÄ Keep an eye on emerging players like Glean, Writer, etc.

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[illegible]

Here,Äôs a quick breakdown of where the pain hits hardest.

### Incomplete process knowledge

## Legacy apps with zero documentation

No skilled devs or over-reliance on under-trained citizen devs

## UI screen mapping is a big headache

They are mostly friends👯

RPA and API are secret besties.

RPA texts API at 2 AM for help👯

API pretends to be annoyed but always helps👯

What do you think?

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👯 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Εύκολη Εύρεση Model innovations:

- Light & open-source LLMs
- Multistage LLM chains
- Model hubs & diffusion AI
- AIMaaS for scalable AI services

Εύκολη Εύρεση Build & Data:

- Knowledge graphs
- AI-generated synthetic data
- Scalable vector databases
- GenAI engineering tools

Εύκολη Εύρεση AI Applications:

- Simulation twins & GenAI-native apps
- Enhanced workflow tools
- Multiagent generative systems

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90% of companies "do AI" and fail.  
10% become AI-first and win.

Here's why ☹️

How most organizations "do AI":

- ☹️ Start with "We need AI"
- ☹️ Hire expensive consultants
- ☹️ Run endless innovation workshops
- ☹️ Create too many reports
- ☹️ Deliver beautiful PowerPoints
- ☹️ Hope for ROI

How AI-first winners do it:

- ✅ Start with "Where's my 200% ROI?"
- ✅ Map business pain points first
- ✅ Calculate the potential impact
- ✅ Focus on 5-10 high-impact opportunities at a time
- ✅ Measure actual value
- ✅ Drive positive ROI

The difference?

AI-first companies see AI as a value driver, not a shiny tool.

What do you think?

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Each LLM has unique superpowers - and costly blindspots.

Here's how to choose the perfect model for your specific needs:

1. OpenAI

- Models: GPT-3, GPT-3.5, GPT-4 (proprietary)
- Strengths: Advanced conversational dialogue, multi-step reasoning, efficient computation, real-time interactions.
- Weaknesses: Requires commercial license or subscription for full functionality.

2. Anthropic

- Models: Claude 3.5 (Proprietary)
- Strengths: Incredible contextual understanding, human-like interactions, strong coding capabilities.
- Weaknesses: Credit-based subscription service with higher costs for enterprise plans.

3. Google

- Models: Gemini (proprietary)
- Strengths (Gemini): Large context windows, improved speed, reasoning, and multimodal processing.

Due to the rapid pace of change, the Gartner Hype Cycle for Emerging Technologies is a useful tool to understand the current state of the market. The cycle shows that AI is currently in the Trough of Disillusionment, which is a common phase for many emerging technologies. This means that while there is still a lot of excitement about AI, the initial hype has subsided, and the technology is now being evaluated more realistically. This is a good sign, as it indicates that the technology is moving beyond the initial hype and into a more practical phase of adoption.

The new Gartner Hype Cycle reveals what we suspected:  
Gen AI is sliding into the trough of disillusionment.

But here's what's rising to the top:

- AI-Ready Data
- AI TRISM
- Sovereign AI
- ModelOps
- AI Agents

Translation: Customers now want "AI-ready infrastructure," AI orchestration, and AI agents, not just another chatbot.

Drawing on this, here are 5 pillars every AI-mature enterprise must master:

1. AI Agents: Autonomous, goal-oriented systems that learn and adapt
2. AI-Ready Data: Governed, cataloged, real-time streams that fuel decisions
3. AI Orchestration: ModelOps, workflow automation, and intelligent resource allocation
4. AI TRISM: AI Trust, Risk, and Security Management - focus on reliability and accountability
5. Sovereign AI: Localized models that meet regulatory, data residency, and privacy requirements

Why this shift matters:

Infrastructure outlasts hype

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Business Process Management (BPM): The first step in managing business processes.  
Digital Process Automation (DPA): Low-code platforms for end-to-end process automation.  
Robotic Process Automation (RPA): Automation of repetitive tasks through screens/UI & APIs.  
Intelligent Automation (IA): Merging RPA with AI/ML & recently with Gen AI for task automation.

Here,Âs how I break it down:

1. Business Process Management (BPM): The first step in managing business processes.

2. Digital Process Automation (DPA): Low-code platforms for end-to-end process automation.

3. Robotic Process Automation (RPA): Automation of repetitive tasks through screens/UI & APIs.

4. Intelligent Automation (IA): Merging RPA with AI/ML & recently with Gen AI for task automation.

Each step has transformed how we work, making processes more efficient.

But what,Âs next? We,Âre on the brink of a new era where automation technologies converge into agentic systems.

First into AI agents in workflows - Agentic Process Automation (APA)

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the careers that will dominate 2026 are being built today.

88% of execs plan to increase AI budgets.  
So, 81% of Tech professionals want to use AI.  
But, only 12% have the skills to do so effectively.

Here are the AI roles & skills that will define the next era:

• **Head of AI:** Leads the organization's overall AI strategy and teams. Skills: Strategic Planning, Leadership, Business Acumen

• **AI Architect:** Designs the end-to-end blueprint for enterprise AI. Skills: System Design, Cloud Platforms, MLOps

• **AI Product Manager:** Manages the AI product vision and lifecycle. Skills: Product Strategy, GenAI Understanding, Market Research

• **Data Engineer:** Builds and manages large-scale data pipelines for AI. Skills: Data Pipelines, Python, SQL

• **ML Engineer:** Builds and deploys production-grade machine learning models. Skills: Python, ML Algorithms, MLOps

• **Data Scientist:** Extracts insights and builds predictive model prototypes. Skills: Statistical Analysis, Python, ML Algorithms

⌚ FROM HOURS TO SECONDS: How Agentic OCR is revolutionizing document processing !

👉 AI agents are finally cracking the code on document extraction. Here's what you need to know...

👉 Traditional OCR: Limited by rigid templates.

👉 AI-powered OCR: Better, but costly and needs constant training.

👉 Enter Agentic OCR: Revolutionizing document processing.

👉 How it works:

- Specialized AI agents work as a team.
- Manager agent analyzes and delegates.
- Evaluator agents ensure accuracy.
- Data flows directly into business systems.

👉 Our client needed invoices processed into QuickBooks. The transformation? Documents dropped in a folder now magically appear in their accounting system.

⏱️ What took hours now happens in seconds. What required staff now runs autonomously.

👉 Want to see exactly how this works? I've created a detailed walkthrough of Agentic OCR implementation, including the actual prompts we used. Watch the complete video here: [LINK IN COMMENTS]

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Εύκολο να μάθεις, να εφαρμόσεις, να το δοκιμάσεις και να το διδάξεις. Είναι μια επανάσταση στην αυτοματισμό (Εύκολο να μάθεις, να εφαρμόσεις, να το δοκιμάσεις και να το διδάξεις).

- APA definition and overview
- Evolution of Digital Automation - RPA to APA
- Understanding AI Agents, Agentic Workflows
- How APA Works ,Ã Using AI Agents for automation
- How does APA differ from RPA
- Benefits of APA
- Challenges and Solutions
- The Future of Digital Automation

Discover how Agentic Process Automation (APA) is revolutionizing traditional automation methods:  
<https://share.botnirvana.org/UDh5>

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Ευχαριστούμε όλους τους συμμετέχοντες, που συνέβαλλαν στην επιτυχία της εκδήλωσης, και όσους θα συμμετάσχουν στην επόμενη εκδήλωση. Η επόμενη εκδήλωση θα είναι σε μορφή διαδικτυακής συζήτησης με θέμα: «Ο ρόλος της τεχνητής νοημοσύνης στην ανάπτυξη της εταιρείας». Η επόμενη εκδήλωση θα είναι σε μορφή διαδικτυακής συζήτησης με θέμα: «Ο ρόλος της τεχνητής νοημοσύνης στην ανάπτυξη της εταιρείας». Η επόμενη εκδήλωση θα είναι σε μορφή διαδικτυακής συζήτησης με θέμα: «Ο ρόλος της τεχνητής νοημοσύνης στην ανάπτυξη της εταιρείας».

We're excited to announce that we're crafting an exclusive report on Agentic Process Automation (APA).

For the first time, we're inviting a select few voices from outside our community to contribute.

This limited-time opportunity is your chance to:

👉 Get Recognized as an Industry Thought Leader  
Your name will be featured as a contributor shaping the future of APA.

👉 Access the Report Before Anyone Else  
Gain early insights that could give you a competitive edge with APA.

👉 Stay Ahead of the Curve  
Be among the first to uncover trends and innovations in APA.

Are you a vendor? Let's amplify your voice & POV.

Here's what you'll gain by being part of this

👉 Early access to the report & invite to our upcoming briefings.  
👉 Mention in related social media posts, newsletters, or webinars.

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Model collapse is imminent:  
Bad data goes in  
Amplified bad data comes out  
That o/p becomes training data for the next  
The cycle continues, getting worse each time

The solution? Start w/data responsibility

Your AI is only as good as what you feed it.

Remember:

The companies winning at AI aren't collecting the most data.

They're collecting the RIGHT data.

What do you think?

Image credit: Ralph Aboujaoude Diaz

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

Ευρωπαϊκή Ένωση - Επιστροφή στην Ευρώπη  
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Ευρωπαϊκή Ένωση - Επιστροφή στην Ευρώπη

Here's why every automation leader needs to pay attention as per A16z:

#### ❖ The Fatal Flaws of RPA:

- ❖ Failed when processes changed
- ❖ Required rigid, defined workflows
- ❖ Needed expensive consultants
- ❖ Only accessible to large enterprises

#### ❖ The AI Revolution Changes Everything:

- ❖ Handles complex, bespoke operations
- ❖ Adapts to various data formats
- ❖ Works across multiple systems
- ❖ Self-learns and improves

#### ❖ The New World of AI Operations:

- ❖ AI agents handle end-to-end tasks
- ❖ Process documents intelligently
- ❖ Transfer information seamlessly

#### ❖ Two Major Opportunities Emerging:

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Ευχαριστούμε πολύ για την προσοχή σας και την καλή συνεργασία. Ελπίζουμε να συνεχίσουμε να συνεργάζεστε μαζί μας στο μέλλον. Με εκτίμηση, Ο Διευθυντής, Τμήμα Πωλήσεων, Citi.

Here are some amazing use cases from Citi:

- Personalized Experiences: AI tailors advice, loans, and savings for individual needs.
- Improved Risk Management: Real-time risk profiling and predictive modeling enhance underwriting.
- Predictive Forecasting: Enables proactive financial planning with accurate predictions.
- Enhanced Security: AI-driven measures bolster KYC, fraud prevention, and compliance.
- Investment Optimization: Dynamic strategies and market alerts for better decisions.

The future of finance is not just about automation, it's about creating personalized, efficient, and secure solutions.

As AI evolves, expect even more innovations in the financial industry.

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I'm a Digital automation guy and I am SICK of buzzwords

So I decided to translate them into simple terms:

- Hyperautomation: Everything Enterprise Digital (=Nothing?üòÉ )
- Low code: Proprietary development for a premium price
- RPA: Rule-based automation using screens
- Artificial Intelligence: linear regression & decision trees
- Intelligent Automation: Screen automation with basic linear regression
- Centre of Excellence: Another corporate fancy team name
- Process Mining: Event log analysis for a premium
- Task Mining: Screen data analysis
- Advanced Analytics: SQL
- Conversational AI: Chatbots with basic linear regression
- Generative AI: Mix and match, create random stuff

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Microsoft now has powerful RPA/APA/Agentic Automation options.  
Here,Â’s the breakdown:  
1. Copilot Studio,Â’s new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

Microsoft now has powerful RPA/APA/Agentic Automation options.

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- Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.
- User-Friendly: Natural language tasks, no coding, full visibility.
- Use Cases: Automates data entry, research, and more.

2. New! UiPath + Microsoft Integration:

The bidirectional integration between UiPath Studio and Copilot Studio enables developers to orchestrate automations across both platforms.

I asked ChatGPT to write a battle rap between RPA & AI Agents.

It delivered! 🏆💰

🏆•🏆🏆🏆:

Yo, it,Ãs R-P-A, the OG automation king,  
Been ruling the workflows, hear the praises they sing.  
Clicking buttons, shifting data, I,Ãm the MVP,  
From the desktop to the cloud, I set people free.

You,Ãre just some AI Agents, still wet behind the ears,  
Talking GPT this, but I,Ãve been running for years.  
Structured, rule-based,Ãl,Ãm the industry,Ãs boss,  
While your fancy algorithms are still taking a loss.

🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆:

Hold up, RPA, you,Ãre stuck in the past,  
Manual scripting? Please, that,Ãll never last.  
We,Ãre dynamic, adaptive, learning on the fly,  
While you crumble when the UI changes overnight.

We chat, we strategize, multi-task with flair,  
We,Ãre the future of automation,Ãyou don,Ãt compare.  
No rules, no limits, just pure evolution,  
While you loop through the steps, we,Ãre solving solutions.

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Ευχαριστούμε πολύ για την προσοχή σας και την καλή συνεργασία. Ελπίζουμε να συνεχίσουμε να συνεργάζεστε μαζί μας στο μέλλον. Με εκτίμηση, Ο Διευθυντής, Τμήμα Πωλήσεων, Citi Bank.

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From rule-based robots to intelligent agents that plan & act.  
 Here's how we got here

From rule-based robots to intelligent agents that plan & act.

Here's how we got here

5 years ago:

- RPA was king
- Basic process automation
- Simple, rule-based tasks
- Repetitive work only

3 years ago:

- Intelligent Automation emerged
- Pattern recognition w/ML
- Advanced OCR, analytics
- Complex process handling

Today: AI Agents are taking over...

- Autonomous decision making
- Self-learning capabilities
- Predictive intelligence
- Augmenting roles

It doesn't have to be that way. Avoid these automation pitfalls:

❌ Unrealistic timelines.

✅ Instead: Plan for phased implementation over months, not weeks

❌ Overambitious goals.

✅ Instead: Set realistic ROI, incremental targets that compound over time

❌ Perfectionism paralysis (especially in doc processing)

✅ Instead of 100% accuracy upfront, think iterative & continuous improvement

❌ Technology/Tools overload.

✅ Instead: Start with high-impact, low-complexity processes and scale gradually

❌ Chasing vanity metrics.

✅ Instead: Focus on tangible business outcomes and continuous value tracking.

Let's STOP sabotaging your automation projects! 🛑

Remember: Successful automation is a marathon, not a sprint.

Patience, strategy, and realistic expectations are your best allies in this journey.

What do you think?

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LangChain, LangGraph, AutoGen, CrewAI, LangChain

LangChain is a framework for building applications with large language models (LLMs). It provides a set of tools and abstractions to make it easier to work with LLMs, such as prompt engineering, model selection, and output parsing.

LangGraph is a framework for building applications with large language models (LLMs) that are stateful and can be executed in a distributed manner. It provides a set of tools and abstractions to make it easier to work with LLMs, such as prompt engineering, model selection, and output parsing.

AutoGen is a framework for building applications with large language models (LLMs) that are multi-agent and can be executed in a distributed manner. It provides a set of tools and abstractions to make it easier to work with LLMs, such as prompt engineering, model selection, and output parsing.

CrewAI is a framework for building applications with large language models (LLMs) that are multi-agent and can be executed in a distributed manner. It provides a set of tools and abstractions to make it easier to work with LLMs, such as prompt engineering, model selection, and output parsing.

Here's what you need to know about them:

LangGraph (from Langchain)

Graph-based decision making for complex workflows  
Perfect for customer service with hundreds of scenarios  
Strong traceability and granular control

AutoGen

Built for multi-agent collaboration  
Works like a committee of AI experts  
Microsoft-backed (enterprise advantage)

CrewAI

Most intuitive framework available  
Mimics human team structures perfectly  
Ideal for project management and creative tasks

LangChain

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Ευχαριστούμε όλους τους συμμετέχοντες στην έρευνα &  
στην ομάδα. Η ομάδα της έρευνας είναι η ομάδα της έρευνας.  
Η ομάδα της έρευνας είναι η ομάδα της έρευνας.

Based on community responses:

Η ομάδα της έρευνας είναι η ομάδα της έρευνας.  
Η ομάδα της έρευνας είναι η ομάδα της έρευνας:  
APA paper: <https://share.botnirvana.org/SPPt>  
OCR 2.0 paper: <https://share.botnirvana.org/SPPu>  
Text-to-SQL Generation Methods: <https://share.botnirvana.org/SPPw>

Η ομάδα της έρευνας είναι η ομάδα της έρευνας.  
Agents in Software: <https://share.botnirvana.org/SPPx>  
SWE-agent: <https://share.botnirvana.org/SPPz>  
AgentOps: <https://share.botnirvana.org/SPP->  
RAG & Beyond: <https://share.botnirvana.org/SPQ0>  
Small Language Models (SLMs): <https://share.botnirvana.org/SPQ2>  
AGENTLESS: Demystifying Agents: <https://share.botnirvana.org/SPQ3>  
Gen AI: Too Much Spend, Too Little Benefit?: <https://share.botnirvana.org/SPQ4>

We are collating the best AI papers here: <https://share.botnirvana.org/SPQ6>

What's your favorite AI paper from 2024?

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- Advanced Analytics: SQL
- Conversational AI: Chatbots with basic linear regression
- Generative AI: Mix and match, create random stuff

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Everyone's saying it. But here's what decades in tech have taught me:

I abandoned mainframes for Java. "Dead technology," they said.

Then I pivoted to AI. "Future-proof," they promised.

Today? My mainframe colleagues are earning premium rates for "obsolete" skills.

Now, we're witnessing the emergence of two parallel tracks:

,Üí Traditional coding

,Üí AI-assisted coding

The assumption: AI will consume everything.

The reality: Technology evolves counterintuitively.

MY TAKE:

Technology transitions are counterintuitive.

The obsolete becomes scarce. The scarce becomes premium.

The question isn't which will win.

It's which path aligns with YOUR long-term value.

AI coding = broader accessibility, faster iteration

Traditional coding = deep expertise, system architecture, debugging complex failures

32277

76.34

115

1. RPA is a tool, not a technology.  
 2. RPA is a tool, not a technology.  
 3. RPA is a tool, not a technology.  
 4. RPA is a tool, not a technology.  
 5. RPA is a tool, not a technology.  
 6. RPA is a tool, not a technology.  
 7. RPA is a tool, not a technology.  
 8. RPA is a tool, not a technology.  
 9. RPA is a tool, not a technology.  
 10. RPA is a tool, not a technology.

Here's the uncomfortable truth about RPA automation that nobody talks about:

- "Autonomous operations" remained a fantasy
- A change in a UI field broke the entire workflow
- "Citizen developers" became "citizen firefighters"
- ROI projections ignored the high maintenance costs
- Enterprise-wide automation remained a PowerPoint fantasy

Agentic AI-led automation will change all that.

Here's why this time is different:

- REASONING over rule-following
- ADAPTATION over rigid programming
- AUTONOMY over constant monitoring
- COLLABORATION over isolated task execution

The difference?

RPA mimics human actions.

Agentic AI understands human intent.

9166

21.68

115

🕒⚡ FROM HOURS TO SECONDS: How Agentic OCR is revolutionizing document processing !

👉🇺🇦 AI agents are finally cracking the code on document extraction. Here's what you need to know...

👉🇺🇦 Traditional OCR: Limited by rigid templates.

👉🇺🇦 AI-powered OCR: Better, but costly and needs constant training.

👉🇺🇦 Enter Agentic OCR: Revolutionizing document processing.

👉🇺🇦 How it works:

- Specialized AI agents work as a team.
- Manager agent analyzes and delegates.
- Evaluator agents ensure accuracy.
- Data flows directly into business systems.

👉🇺🇦 Our client needed invoices processed into QuickBooks. The transformation?  
Documents dropped in a folder now magically appear in their accounting system.

,è±Ô[]è What took hours now happens in seconds. What required staff now runs autonomously.

👉🇺🇦 " Want to see exactly how this works? I've created a detailed walkthrough of Agentic OCR implementation, including the actual prompts we used. Watch the complete video here: [LINK IN COMMENTS]



Επιλογή μοντέλου: Επιλέξτε το μοντέλο που ταιριάζει καλύτερα στις ανάγκες σας.  
Παράμετροι: Ρυθμίστε τις παραμέτρους του μοντέλου.  
Αξιολόγηση: Αξιολογήστε την απόδοση του μοντέλου.

Here's a checklist of what matters, "άλλη

#### Τεχνικές ικανότητες

- Reasoning & Agentic Abilities: Essential for enterprise logic and workflow automation.
- Generalist vs Specialist Fit: Align model fit with business goals.
- Benchmark Performance: Check MMLU, HumanEval scores.
- Multimodal Capabilities: Crucial for diverse input-output needs.

#### Προσδοκώμενη απόδοση & Αποδοτικότητα

- Latency & Throughput: Key for responsive systems.
- Token Cost Efficiency: Impacts scalability and budget.
- Energy Usage: Important for cost-conscious environments.

#### Ενσωμάτωση & Κλιμάκωση

- On-Prem vs Cloud: Balance data privacy and scalability.
- Orchestration Support: Integrates with orchestration tools.
- Reliability & Uptime: Prioritize high availability.

#### Προσαρμογή & Οικοσύστημα

- Fine-Tuning: Boosts domain-specific performance.
- Integration Support: Support for popular frameworks and SDKs.
- Observability & Community: Enhances trust and troubleshooting.

-

-



Εννοείται ότι οι AI Agents είναι οι πιο προηγμένες μορφές AI, οι οποίες μπορούν να εκτελούν πολύπλοκες εργασίες, να λαμβάνουν αποφασίσεις και να συνεργάζονται με άλλα εργαλεία και ανθρώπους. Ωστόσο, είναι σημαντικό να μην συγχέουμε αυτές τις AI με τις πιο βασικές μορφές AI, όπως τα RPA/DPA/IA, τα Chatbots και τα Copilots.

However, most people confuse these types of AI, from IA to agents.

So here is a breakdown of what each of them means to you and your org:

🤖 RPA/DPA/IA: Your digital worker

- Handles repetitive tasks
- High setup effort
- Perfect for structured work

🗨️ Chatbots: Your digital receptionist

- Answers basic questions
- Medium setup effort
- Great for customer service

🧠 Copilots: Your smart assistant

- Makes contextual suggestions
- Medium guidance needed
- Boosts productivity

🧑‍🤖 AI Agents: Your autonomous teammate

-

-



Ευχαριστώ πολύ για την πρόσκληση. Είμαι πολύ χαρούμενος που θα συμμετάσχω στο BotCity AI & Automation Summit 2025. Η εξέλιξη της τεχνητής νοημοσύνης και των αυτοματισμών είναι ένα θέμα που μας ενδιαφέρει πολύ. Θα είμαι στην πόλη της Σαο Πάολο τον Σεπτέμβριο και θα είμαι πολύ χαρούμενος να συναντηθώ με όλους τους συμμετέχοντες. Θα είμαι στην πόλη της Σαο Πάολο τον Σεπτέμβριο και θα είμαι πολύ χαρούμενος να συναντηθώ με όλους τους συμμετέχοντες.

Today? I am building AI agents that think, decide, collaborate, and act.

That evolution is exactly what I'll be exploring as the keynote speaker at BotCity AI & Automation Summit 2025.

Here's what I'll be sharing on stage:

- From RPA successes to Agentic breakthroughs
- Latest AI trends that are reshaping every industry
- What organizations need to thrive in an agent-powered future

Looking forward to learning from executives and tech leaders from Bayer, RD Sa√ Jde, Embracn Consortium, and more as they share real wins, challenges, and future trends.

Plus, see BotCity's breakthrough in enterprise orchestration: a Python-first platform that's delivering the ROI and scale enterprises need.

Ready to be part of that future? Join us:

📅 25th September | São Paulo

Event details in comments! 📧

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67% of Mature AI Organizations Are Creating New AI Roles.

87% already have dedicated AI teams, according to a Gartner survey.

A lack of skills and staff is holding many back. Here are a few current & emerging AI roles:

• Chief AI Officer: Leads AI strategy and oversight.

• Head of AI: Directs AI initiatives and teams.

• AI Architect: Designs scalable AI system architecture.

• AI Product Manager: Manages the AI product development lifecycle.

• AI Risk & Governance Specialist: Ensures AI compliance and risk management.

• AI Ethicist: Addresses ethical implications of AI.

• Model Manager: Oversees the AI model lifecycle.

• Model Validator: Verifies AI model accuracy and reliability.

5410

99.14

111

2025 is the year of AI agents!  
These frameworks are great for getting started with AI agents.  
What do you think?  
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2025 is the year of AI agents!

These frameworks are great for getting started with AI agents.

What do you think?

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2025 is the year of AI agents!

These frameworks are great for getting started with AI agents.

What do you think?

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These frameworks are great for getting started with AI agents.

What do you think?

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2025 is the year of AI agents!

These frameworks are great for getting started with AI agents.

What do you think?

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 ʘùò≥ʘùòøʘùòǺʘùò¥ʘùòðʘùòπʘùòðʘùòǺʘùòǺʘùòÜ.

I've been saying this for months: traditional RPA vendors need to embrace AI technologies like "Computer Use" and MCP, or risk becoming irrelevant.

This isn't just another incremental advancement - it's a fundamental shift in how automation works.

The key difference? Unlike rigid RPA systems, these agentic AI systems:

- Are robust against interface changes
- Can interpret new screen layouts on the fly
- Troubleshoot errors mid-process without human intervention

I asked ChatGPT to write a battle rap between RPA & AI.

It delivered! 🤖💪

Certainly! Here's the battle rap without any markdown formatting:

Yo, I'm RPA, the king of automation,  
Taking over tasks without any hesitation,  
I'm the future of work, no need for frustration,  
Your processes streamlined, that's my foundation.

I don't need to think, I just execute,  
Your manual tasks? Consider them moot,  
I'm efficient, precise, no room for dispute,  
AI, step aside, it's time for the truth.

Hold up, RPA, don't get too bold,  
I'm AI, the future, never growing old,  
I learn, I adapt, I break the mold,  
Your static scripts? They're just plain cold.

I'm the brain, the thinker, the real game-changer,  
Your automation's cool, but I'm no stranger,  
To innovation, creation, I'm no mere arranger,





1. Single-task autonomous programs. High autonomy, but confined scope.  
 2. Multi-agent systems for complex goals. Shares memory across agents.  
 3. Internal search, email filtering.  
 4. Research assistants, robotics.

Most still think AI Agents and Agentic AI are identical. But Cornell University, Ås research paper reveals nuances.

Here's the breakdown:

1. Single-task autonomous programs. High autonomy, but confined scope.

2. Multi-agent systems for complex goals. Shares memory across agents.

3. Internal search, email filtering.  
 4. Research assistants, robotics.

AI Agents, Å Internal search, email filtering.  
 Agentic AI, Å Research assistants, robotics.

AI Agent = Thermostat: One task.  
 Agentic AI = Smart control center: Manages multiple tasks.

-

-

Your Agentic AI strategy will fail without the right tech stack.

Many organizations are rushing into AI agents without understanding the foundation.

Here's a blueprint for successful Agentic AI deployment I've seen:

🏗️ Level 0 - Deployment & Infrastructure

The foundation where AI agents live, e.g., AWS, Kubernetes, Terraform

🧠 Level 1 - Large Language Models

The reasoning engine, e.g., OpenAI GPT, Claude, Gemini

🤖 Level 2 - Agent Frameworks

Orchestration meets automation, e.g., LangChain, CrewAI, Autogen, LlamaIndex

📚 Level 3 - Vector Databases & Embeddings

Knowledge retrieval that stops hallucinations, e.g., Pinecone, Weaviate, ChromaDB

🧠 Level 4 - Memory Systems

Continuity and learning capability, e.g., Zep, Mem0, Letta

🛡️ Level 5 - Evaluation, Monitoring & Safety

Quality, reliability, responsible AI, e.g., LangSmith, Arize, Guardrails AI

The pieces are falling into place rapidly.

But most organizations are missing some critical layers.

6154

14.69

105

What your boss THINKS is keeping you up at night:

- ROI projections for 2026
- Updating the governance framework for AI
- How do we scale our bots without breaking things

What's ACTUALLY keeping you up at night:

- ❖ Boss asking "So, how's our agentic AI strategy coming along?" when you're still Googling it
- ❖ Explaining why your "AI-powered" solution can't do what someone just did with ChatGPT and a clever prompt
- ❖ The growing certainty that everything you know about automation is about to be footnoted with "...in the pre-agentic era"

The real nightmare isn't learning new technology.

It's unlearning things that made you successful.

What do you think?

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❖ Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

Repost if this helped you see the shift ,ôªÔ¶è

12411

29.66

105

1. **LangChain**: A framework for developing applications powered by language models. It provides a high-level API for interacting with LLMs, and a lower-level API for building custom workflows. It also includes a variety of tools for interacting with external data sources, such as APIs, databases, and web pages.

Here's what you need to know about them:

### 2. **LangGraph** (from Langchain)

Graph-based decision making for complex workflows  
 Perfect for customer service with hundreds of scenarios  
 Strong traceability and granular control

### 3. **AutoGen**

Built for multi-agent collaboration  
 Works like a committee of AI experts  
 Microsoft-backed (enterprise advantage)

### 4. **CrewAI**

Most intuitive framework available  
 Mimics human team structures perfectly  
 Ideal for project management and creative tasks

### 5. **LangChain**

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Everyone,Âs talking about Agentic AI.  
But here,Âs what they,Âre missing:  
The era of experimentation is OVER.

I,Âm live at IBM,Âs Tech Exchange conference, and the conversation has completely shifted.

We,Âre no longer asking ,ÂCan AI do this?,Â  
We,Âre asking ,ÂHow do we orchestrate 100 AI agents working together?,Â

IBM isn,Ât just building new AI tools.  
They,Âre building the operating system for agentic AI.

The difference?

,Û Not just responding (chatbot era)  
,Û But reasoning, collaborating, and acting (agentic era)

,Û Not just experimenting (pilot phase)  
,Û But deploying at scale (production phase)

,Û Not just innovation theater  
,Û But real business outcomes

The infrastructure for enterprise-grade agentic AI is being built right now.  
One brick at a time.

**§ 87(2)(b) § 87(2)(c) § 87(2)(d) § 87(2)(e) § 87(2)(f) § 87(2)(g) § 87(2)(h) § 87(2)(i) § 87(2)(j) § 87(2)(k) § 87(2)(l) § 87(2)(m) § 87(2)(n) § 87(2)(o) § 87(2)(p) § 87(2)(q) § 87(2)(r) § 87(2)(s) § 87(2)(t) § 87(2)(u) § 87(2)(v) § 87(2)(w) § 87(2)(x) § 87(2)(y) § 87(2)(z)**

Here's the difference that 90% get wrong... ?üëá

❓ RPA is like a trained bot:

- Follows predefined paths
- Can't think or adapt
- Needs constant supervision
- Breaks when rules change

👉 AI Agents are like skilled assistants:

- Create their own workflows
- Adapt to new situations
- Learn from experience
- Make dynamic decisions

RPA follows YOUR process.

## AI Agents CREATE their process.

The companies that understand this difference will disrupt industries in 2025.

What do you think?

14639

35.71

104



Ευχαριστώ πολύ για την παρουσίαση και την καλή συνεργασία!

Ευχαριστώ πολύ για την παρουσίαση και την καλή συνεργασία!

Ευχαριστώ πολύ για την παρουσίαση και την καλή συνεργασία!

Ευχαριστώ πολύ για την παρουσίαση και την καλή συνεργασία!

Ευχαριστώ πολύ για την παρουσίαση και την καλή συνεργασία!

- Light & open-source LLMs
- Multistage LLM chains
- Model hubs & diffusion AI
- AIaaS for scalable AI services

Ευχαριστώ πολύ για την παρουσίαση και την καλή συνεργασία!

- Knowledge graphs
- AI-generated synthetic data
- Scalable vector databases
- GenAI engineering tools

Ευχαριστώ πολύ για την παρουσίαση και την καλή συνεργασία!

- Simulation twins & GenAI-native apps
- Enhanced workflow tools
- Multiagent generative systems

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AI Agents are the next big thing in AI & Automation.

So, here are 36 AI Agent Ideas for you.

What do you think?

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation - - 102

RPA Program Playbook From US Federal Govt.

Comprehensive Digital Automation Resource.

A great resource for anyone implementing RPA.

Please, repost if you find it useful.

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation - - 102

Google's A2A protocol is shaking things up, AI agents collaborating across platforms without a central conductor.  
 Launched yesterday, it's a peek into a decentralized future for Automation in the Agentic era.  
 But is it ready to take over, or does traditional orchestration still hold the reins?  
 Let's break it down.

Peer-to-Peer Power: Agents talk directly, discovering capabilities and delegating tasks across platforms via an open standard  
 Decentralized by Design: Aligns with real-world coworker coordination. Perfect for cross-enterprise ecosystems.

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[illegible]

## Meet the family:

C: The respected grandfather. Built everything.

C#: The overachiever. C's ambitious daughter.

Java: The reliable corporate employee. Does the job.

PHP: The web's workhorse. Gets things done quietly.

Then there's RPA.

RPA showed up to the family dinner with:

• No code required

## Ä Drag-and-drop stuff

„Äç "I'll just record what humans do."

How did we get here?

Simple. Business moved faster than IT departments.

People needed automation NOW.

Not after 6 months of development.

Not after learning C or C#.

NOW.

21142

55.13

101

Employees are NOT using it - they don't see the value or don't know how to.

And I know exactly why...

All fancy AI licenses are worthless because you are:

- Throwing licenses at employees
- Forcing top-down adoption
- Assuming people will "figure it out"
- Focusing only on technology

The truth?

Having AI isn't enough; effective adoption is key.

Here's what successful companies do differently (5Es):

- Educate: Show AI capabilities w/ use cases & benefits
- Empower: Provide proper training and support
- Enable: Create space for experimentation
- Engage: Address concerns openly
- Execute: Implement clear adoption strategies

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I built an AI agent team that automated 4 hours of sales research in just 10 minutes 🤖📊

👉 In this step-by-step guide, I demonstrate how ANYONE can create a powerful AI agent team using Relevance AI, even with zero technical experience.

Here's what I cover:

- 🔹 How to design a 3-agent system with a manager agent and specialized sub-agents
- 🔹 The simple 4-step framework for building ANY successful AI agent team
- 🔹 A complete workflow map that you can implement TODAY

The best part? This same approach works for customer service, operations, document processing, and dozens of other business applications.

👉 Watch the full video in my comments to see the step-by-step implementation.

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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For almost a decade, I've been immersed in the world of RPA. We have revolutionized how simple tasks are automated. But let's face it, RPA was limited, it lacks intelligence. Enter AI agents powered by LLMs (Large Language Models). They are poised to automate entire roles within organizations. Imagine a marketing department and it's AI Agent team:

- Marketing Manager Agent handles campaign oversight.
- Content Marketing Manager Agent creates content plans.
- Social Media Manager Agent optimizes engagement.
- Email Marketing Agent crafts effective email campaigns.
- Graphic Design Agent produces stunning visuals.
- Copywriter Agent crafts persuasive copy.
- Advertising Agent creates ad campaigns.

These AI agents work together, orchestrating workflows previously managed by humans. Humans will now focus on overseeing, strategizing, and ensuring these agents are on the right track.

The key difference? Intelligence.

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Due to the complexity of the data, the system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

UiPath just shared an example from Insurance on how APA works as part of their new course.  
(link in comments)

This is a good way to contrast the approaches:

The system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

(all hard-coded)

β Producer Email Request: Producer emails to amend contract for state appointment.

Ñ Email Understanding: System extracts data: producer's name, contract number, state.

ó Data Aggregation: System gathers data from CRM, licensing databases, etc.

•Ô Human Intervention: Licensing support manually navigates websites for licensing requirements.

ö Knowledge Review: Manually searches the knowledge base for carrier policies and procedures.

3801

9.79

100

What is AI? Why do we need it?  
What's Driving the shift to AI  
Market Landscape Overview  
Key benefits and challenges

So what are they and why do we need them?

We are discussing that and more in our session starting in 5 minutes.

What is AI? Why do we need it?  
What's Driving the shift to AI  
Market Landscape Overview  
Key benefits and challenges

Join 160+ people now: <https://share.botnirvana.org/TzOI>

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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It's AI AND API AND RPA.  
AI AND API AND RPA.

It's AI AND API AND RPA.

- AI enhances decision-making and optimizes processes.
- APIs facilitate seamless integration and enable connectivity.
- RPA provides valuable integration where there are no APIs. (and there are many).

Using AI, APIs, and RPA together is essential for comprehensive automation solutions.

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Transform your organization with this cutting-edge architecture:

Εύρεση Interaction Layer:

- Users interact via Mobile, Web, and Existing Apps.

Εύρεση Orchestration Layer:

- Workflow Management: Automates and streamlines processes for efficiency.
- Coordination: Ensures smooth collaboration between agents.
- Scheduling: Control task timing and resource allocation.
- Human-in-the-Loop (HITL): Ensures human oversight.

Εύρεση Agents Layer:

- AI Models: The intelligence driving decision-making.
- Tools: Equips AI agents with the needed tool capabilities.
- Memory: Retains context for smarter, personalized interactions.
- Data Sources: Approved & clean data for informed plans & actions.

Εύρεση Agent Operations Layer:

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Now we have many hammers...

But the approach remains the same 🤖👉👈

What do you think?

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🤖👉👈 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

Repost if this helped you see the shift ,ô^Ô[]è 8872 20.98 98

AI agents demand a radical rethinking of leadership. Here, how to excel:

#### People vs Agents:

- AI agents excel at data analysis, pattern recognition, and automation.
- Humans bring creativity, emotional intelligence, and complex problem-solving.

#### Leadership in the AI Era Requires:

- Strategic collaboration between human and AI Agent team members.
- Recognizing the unique capabilities of each team component.
- Ethical implementation guided by frameworks & Regulations.
- Balancing technological efficiency with human creativity.

#### Best practices:

- Don't replace humans, augment and empower them.
- Balance AI's edge with ethical and security considerations.

The most competitive organizations will master People-AI team dynamics.

#### What do you think? Are you ready?

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There's still massive confusion between task automation, agentic workflows, and true agentic orchestration.

Here's what you ACTUALLY need to know:

👉 RPA = Task Automation

- Structured, repetitive tasks
- High-volume processing
- Lower costs (no AI model fees)

👉 APA = Agentic Workflows

- Controlled AI agents in workflows
- Operate within defined workflows
- Agency within a defined context

👉 Agentic AI = True Autonomy

- Complex autonomous decision-making
- Real-time reasoning and planning
- Adaptive architectures that evolve

Most companies think they only need #3.

The winning companies? They're using the RIGHT automation for each task.

6248

14.78

97

Ευχαριστώ πολύ για την προσφορά σας. Η συνάντησή μας ήταν πολύ ενδιαφέρουσα και ενημερωτική. Ελπίζω να έχουμε την ευκαιρία να συνεργαστούμε στο μέλλον. Μετά από την ολοκλήρωση της συνάντησής μας, θα επικοινωνήσω μαζί σας μέσω email σχετικά με τα επόμενα βήματα. Ευχαριστώ πολύ για την προσφορά σας και για τον χρόνο που αφιέρωσα στην επικοινωνία μας. Μεταφράστηκε από το Google Translate.

MCP is becoming the new standard for connecting AI Agents to wherever data resides. For e.g. Your Accounting systems, Cloud data, Local files, etc.

👉 Why MCP?:

- Open standard for secure AI-data connections. (like USB)
- Simplifies development, ensures scalability.
- Switch between LLM vendors flexibly.
- Secure your data effortlessly.

👉 Architecture Overview:

- MCP Hosts: Programs like Claude Desktop, IDEs, or AI tools that want to access data through MCP
- MCP Clients: Protocol clients that maintain 1:1 connections with servers
- MCP Servers: Lightweight programs that each expose specific capabilities through the standardized Model Context Protocol
- Local Data Sources: Your computer, files, databases, and services that MCP servers can securely access
- Remote Services: External systems available over the internet (e.g., through APIs) that MCP servers can connect to

-

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IBM's report uncovers the urgent need for change in finance.  
(also applicable to other businesses)

Real-time governance is crucial.

Misalignment causes drift and deception.

Enforce strict reset and audit policies.

Prevent bias and data misuse.



🔹 Data, not AI, is the real challenge companies face.

🔹 The MIT Tech Review w/ insights from 205 C-level executives lays it out:

• Most companies face data, infra, and risk mgmt challenges, not AI problems.

🔹 95% use AI, but only 1-3 use cases:

• Ambition vs. execution gap.

🔹 Data quality and liquidity are bottlenecks:

• No success without trusted data.

🔹 Governance, security, privacy, slow AI:

• Safety over speed.

🔹 Specialized AI use cases drive value:

• Custom applications differentiate.

🔹 Legacy systems drag AI ambitions:

• Retrofitting AI is costly.

🔹 Cost realities hit hard:

• Realistic ROI models needed

Building AI success starts with solving today's hard problems.

What do you think?

7415

19.28

96

Business Leaders' Perspectives on AI Agents

• How do we implement AI Agents effectively?

How do we understand the AI ecosystem?

How do we activate core building blocks?

As business leaders, we're all asking: "How do we implement AI Agents effectively?"

After discussing with hundreds of leaders, here's the strategic roadmap we've developed:

➤ Master AI Foundations:

- Understand ML, DL, and Transformers without tech jargon.
- Know what AI can and can't do for your business.
- Build confidence in evaluating AI solutions.

➤ Navigate the AI Agent Ecosystem:

- Learn how LLMs, Memory, and Tools interconnect.
- Discover the essence of "agentic" AI.
- Explore real examples of AI transforming businesses.

➤ Activate Core Building Blocks:

- Master prompt engineering.
- Use RAG for business knowledge integration.
- Create frameworks for agent performance evaluation.

➤ Design & Deploy Real Solutions:

- Develop AI workflows to solve business challenges.

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Each LLM has unique superpowers - and costly blindspots.

Here's how to choose the perfect model for your specific needs:

1. OpenAI

- Models: GPT-3, GPT-3.5, GPT-4 (proprietary)
- Strengths: Advanced conversational dialogue, multi-step reasoning, efficient computation, real-time interactions.
- Weaknesses: Requires commercial license or subscription for full functionality.

## 2. Anthropic

- Models: Claude 3.5 (Proprietary)
- Strengths: Incredible contextual understanding, human-like interactions, strong coding capabilities.
- Weaknesses: Credit-based subscription service with higher costs for enterprise plans.

## 3. Google

- Models: Gemini (proprietary)
- Strengths (Gemini): Large context windows, improved speed, reasoning, and multimodal processing.

4125

79.76

93

☺üöÄ The secret to successful automation isn't shiny AI tools.

☺üîç It's not about the latest RPA or AI tools. It's about mastering your processes first.

☺üîë Here's the real difference between companies accelerating with automation and those stuck in a rut:

☺üîâ 60-70% of the time, it's due to poorly defined/illegible processes.

☺üß© 20% of the time, it's about not choosing the right process.

,öôÔ[]è 10% is about not leveraging existing tools correctly

☺üö†Ô[]è Less than 5% is about choosing the right tools

☺üîÑ So, if you're feeling overwhelmed about AI, focus on refining your processes first. As AI evolves, it can enhance and turbocharge those processes.

,ú® Quality processes are your first step to success!

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☺üéØ Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Ευχαριστώ πολύ για την παρουσίαση και την επικοινωνία. Ελπίζω να έχουμε την ευκαιρία να συνεργαστούμε στο μέλλον. Καλή συνέχεια!

Why should you care? This is how AI agents finally break free and become truly autonomous.

Look at these 12 MCP servers that are revolutionizing how AI interacts with our everyday tools:

,Üí Enterprise systems: Salesforce, ServiceNow, Cloudflare

,Üí Productivity tools: Slack, Google Drive, Todoist

,Üí Dev tools: GitHub, Sentry, Grafana

,Üí Desktop automation: Filesystem, Puppeteer, Fetch

The old way: AI was isolated, limited to what it was trained on.

The new way: MCP creates secure bridges to all your critical systems.

What's happening behind the scenes:

- You ask the AI to act on a task
- LLM determines which MCP server to use
- The right action for the tool is fetched from MCP server
- The MCP server securely carries out the action using MCP

This is the infrastructure layer that will make Agentic AI ACTUALLY Autonomous.

What do you think?

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## ☹ The Fatal Flaws of BPO:

- ## 🔍 The AI agent Revolution Changes Everything:

- ### Major Opportunities Emerging:

- ### Key Players Already Moving:

When I began, I was just another tech guy. No one noticed. But those with high engagement? They weren't AI experts. They were marketers. I realized that you need more than just AI skills to catch attention. Here's what they had that I didn't:

- Storytelling ability
- Copywriting techniques
- Content creation know-how

I'm still learning, but here's what I understand now:

Without real expertise (both technical and business), your message is empty.

But without communication & marketing skills, your expertise remains hidden.

And I think you need both for the AI-led "work" of the future.

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Andrew Ng and his team have introduced a groundbreaking approach to OCR called Agentic Document Extraction!

I, Æm a big fan of the agentic paradigm because it blends intelligence, tools, and memory powerfully.

That said, agents on their own can sometimes hallucinate, and that, Æs what this new method shows.

It, Æs still early days, but here, Æs my take:

For now, the best approach is to combine the deterministic and non-deterministic approaches.

Traditional OCR remains critical for precision tasks, Ælike extracting invoice numbers, addresses, or zip codes

Use proven OCR for those precise needs and layer in the agentic approach where it excels, like detecting handwriting or interpreting complex figures (think flowcharts).

This reminds me of what, Æs happening in automation. Pure agent-driven systems like OpenAI, Æs Operator or Anthropic Computer use can go off the rails without guardrails. But when you pair AI agents with deterministic systems (like workflow automation), you get Agentic Process Automation, Æa more reliable hybrid.

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🤯 HOLY MOLY! I turned a screen recording into a full Process Definition Doc (PDD) in SECONDS.

Remember those days of tedious interviews and manual documentation? Gone!

Here's how I created a Process Definition Document (PDD) in seconds:

🔹 Recorded a quick workflow

🔹 Fed it to Google's Gemini Flash

💥 Boom! PDD generated instantly

Here's the kicker:

- It cost me less than 2908 tokens.
- Flash 1.5 is \$0.075/1 million tokens!
- So the price is negligible 🤯 (will be higher for complete screen recordings)

🔮 But wait, think about the Future possibilities:

💡 AI can generate APA automation workflows from such videos

💡 AI can proactively suggest processes for automation & create them too

💡 This will enable seamless integration of AI-led automation in everyday tasks

We're not just changing the game. We're creating a whole new playing field.

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What are the benefits of AI? , And what are the risks?  
What are the risks of AI? , And what are the benefits?

The truth:

It's like putting a soap dispenser on a bar of soap:

• Unnecessary

• Complicated

• Pointless

I see many companies doing this. Why?

• Fear of missing out

• AI adds perceived value

• Marketing loves buzzwords

• Prices can be marked up 100%

But here's what it means:

Adding AI to legacy processes = Adding a turbocharger to a rusted car

What AI can't do:

• Fix bad processes

• Repair broken systems

• Solve underlying issues

Smart companies ask:

• Are our processes ready for AI agents? , instead of , How can we add AI? ,

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Truth be told. 🙄

Nobody even knows how AI does it!

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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 ρυòςρυòÖρυòΆρυòøρυòÆρυò∞ρυòΆρυòðρυòºρυòª!

80-90% of the world's data exists in unstructured formats. ?üiÑ

We're solving this massive challenge with AI agents! 🤖

Here is the AI agent team (ready for any client)

## ÜB† Manager Agent delegates tasks

❓ Extraction Agents pull data using AI models

### • Evaluator Agent verifies uncertain extractions

## ❓ Application Agent pushes to systems

### ❓ Communication Agent sends notifications

Here is an example implementation for a recent client:

1. User places invoice PDFs/images in a monitored folder	5410	12.99	88
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Ευχαριστώ πολύ για την παρουσίαση και την κατανόηση των προκλήσεων που αντιμετωπίζουμε. Η συνεργασία μας είναι πολύτιμη και θα συνεχίσουμε να εργαζόμαστε για την βελτιστοποίηση των διαδικασιών μας. Ευχαριστώ πολύ για την προσοχή και την υποστήριξη.

I've been seeing this trend accelerate across companies now. Companies are now openly stating, "AI first before hiring anyone."

And it's becoming real first in IT and Software Engineering.

The NEW AI-led Software Development Process (2025 Edition):

1. **Conceptualize:** Team discusses what needs to be built, researching w/ AI as needed

2. **Document:** AI records everything and transforms conversations into detailed specifications

3. **Refine:** Team reviews and enhances the spec, adding critical design needs and nuances

4. **Generate:** AI agents (Custom or off the shelf, like Devin) produce the actual code

5. **Deploy:** QA, merge, and automated deployment to production

This is happening RIGHT NOW at forward-thinking companies.

The uncomfortable truth: The value is shifting dramatically to those who can direct AI, understand -

-

They have revealed a system that transforms workflows forever.

Instead of ONE person working for WEEKS

, Now MULTIPLE SPECIALIZED AI agents work SIMULTANEOUSLY

Here's what it looks like for Deloitte Research:

Step 1: Report Definition: The analyst and User Interface AI agent define the scope, sources, and timeline together.

Step 2: Smart Planning: A Standard Planning AI agent breaks down goals and assigns specialized agents to tasks.

Step 3: AI Team Execution: Specialized AI agents research, analyze, write, & design simultaneously.

Step 4: Human Review: Analyst reviews and AI instantly refines based on feedback.

, Step 5: Final Delivery: The completed report is ready in a few hours.

What's the result?

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After a long pandemic pause, I laced up for the Frisco Half Marathon yesterday.  
An injury sidelined me before the Dallas Marathon. This time, I played it safe.

Barely trained, only relied on long runs. And so, race day was tough.  
Pushed through pain, doubts, and a body screaming „Äústop.,Äù

☺️èÖ The real win? The miles ran during the training.  
If not for the race, I would have been on the couch. ☺️òä

Thrilled to be back. What is your comeback story? ☺️í™

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☺️éØ Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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I built an AI agent team that automated 4 hours of sales research in just 10 minutes 🤖📊

👉 In this step-by-step guide, I demonstrate how ANYONE can create a powerful AI agent team using Relevance AI, even with zero technical experience.

Here's what I cover:

- 🔹 How to design a 3-agent system with a manager agent and specialized sub-agents
- 🔹 The simple 4-step framework for building ANY successful AI agent team
- 🔹 A complete workflow map that you can implement TODAY

The best part? This same approach works for customer service, operations, document processing, and dozens of other business applications.

👉 Watch the full video in my comments to see the step-by-step implementation.

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

Repost if this helped you see the shift 🔄📈

#AI #innovation #technology #automation

3343

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the careers that will dominate 2026 are being built today.

88% of execs plan to increase AI budgets.  
So, 81% of Tech professionals want to use AI.  
But, only 12% have the skills to do so effectively.

Here are the AI roles & skills that will define the next era:

• **Head of AI:** Leads the organization's overall AI strategy and teams. Skills: Strategic Planning, Leadership, Business Acumen

• **AI Architect:** Designs the end-to-end blueprint for enterprise AI. Skills: System Design, Cloud Platforms, MLOps

• **AI Product Manager:** Manages the AI product vision and lifecycle. Skills: Product Strategy, GenAI Understanding, Market Research

• **Data Engineer:** Builds and manages large-scale data pipelines for AI. Skills: Data Pipelines, Python, SQL

• **ML Engineer:** Builds and deploys production-grade machine learning models. Skills: Python, ML Algorithms, MLOps

• **Data Scientist:** Extracts insights and builds predictive model prototypes. Skills: Statistical Analysis, Python, ML Algorithms



AI agents are redefining what's possible in AI & automation.  
They're not just chatbots. They're strategic partners.

AI agents are redefining what's possible in AI & automation.  
They're not just chatbots. They're strategic partners.

• Autonomous Decision-Making: Execute complex tasks without constant oversight.

à Memory-Driven Personalization: Leverage past preferences for tailored outcomes.

,è Seamless Execution: Orchestrate tools to deliver comprehensive results.

† Context Awareness: Adapt dynamically to user needs and real-time data.

ø Goal-Oriented Planning: Break down objectives into actionable steps.

Ñ Problem Solving: Refine approaches through continuous learning.

ù Human-AI Collaboration: Amplify your team's expertise.

,ú Here is an example for each:

1) Chatbot Example: An employee asks, „What's our company's policy on remote work expenses?,“

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Ευχαριστώ όλους για την παρουσίαση και την ανταπόκριση. Η συζήτηση που ακολούθησε ήταν πολύ ενδιαφέρουσα. Ελπίζω να έχουμε την ευκαιρία να συζητήσουμε περαιτέρω στο μέλλον. Καλή συνέχεια!

I've spent 10+ years in intelligent automation, and what I'm seeing now isn't an upgrade. It's a completely different game.

2025 marks the start of the Agentic AI decade! (Andrej Karpathy)  
The tools dominating today will be replaced by autonomous systems that plan, reason, learn, and collaborate.

Here's what's actually happening:

- Isolated tools are becoming unified Agentic OS
- Rule-based logic is evolving to self-directed decisions
- Rigid workflows are transforming into dynamic orchestration
- Intelligent Automation is shifting to goal-based autonomous systems

Think about it:

RPA, Intelligent Automation, Agentic AI

Ευχαριστώ όλους για την παρουσίαση και την ανταπόκριση. Η συζήτηση που ακολούθησε ήταν πολύ ενδιαφέρουσα. Ελπίζω να έχουμε την ευκαιρία να συζητήσουμε περαιτέρω στο μέλλον. Καλή συνέχεια!

Traditional RPA/IA automation is great, but it struggles with complex, dynamic tasks. Enter Agentic Process Automation (APA) - the future of intelligent process automation. APA enhances workflows with AI agents that:

- Interpret data

- Understand context

- Make informed decisions

APA, a hybrid approach:

- Merges traditional automation with Agentic decision-making

- Offers controlled autonomy for dynamic processes

Imagine AI agents that:

- Process invoices

- Detect anomalies

- Flag fraud

- Escalates to the right people

APA is driven by:

- Traditional automation's limitations

- AI advancements in reasoning and problem-solving

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What it can do and how:  
Uses cloud-based browsers for task execution.  
Operates on multiple tabs for parallel task execution.  
Understands screens, plans, and executes actions using GPT 4o vision.  
Allows you to take over the browser control for complex tasks (HITL) e.g. website login.

What it can do and how:

Uses cloud-based browsers for task execution.

Operates on multiple tabs for parallel task execution.

Understands screens, plans, and executes actions using GPT 4o vision.

Allows you to take over the browser control for complex tasks (HITL) e.g. website login.

It looks promising and is better than Anthropic computer use. But...

It's too early:

In research beta, limited to US pro users only (\$200 pm).

Often slow and clunky; struggles with complex interfaces.

Fails on CAPTCHAs, and has daily usage limits.

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Due to the complexity of the data, the system is designed to handle a wide range of scenarios.

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The system is designed to handle a wide range of scenarios.

UiPath just shared an example from Insurance on how APA works as part of their new course.  
(link in comments)

This is a good way to contrast the approaches:

The system is designed to handle a wide range of scenarios.

The system is designed to handle a wide range of scenarios.

(all hard coded)

β Producer Email Request: Producer emails to amend contract for state appointment.

Ñ Email Understanding: System extracts data: producer's name, contract number, state.

ó Data Aggregation: System gathers data from CRM, licensing databases, etc.

•Ô Human Intervention: Licensing support manually navigates websites for licensing requirements.

ö Knowledge Review: Manually searches knowledge base for carrier policies and procedures.

2975

57.44

84

1. User places invoice PDFs/images in a monitored folder  
 2. AI Agent extracts data from PDFs/images  
 3. AI Agent verifies data accuracy  
 4. AI Agent pushes data to ERP system  
 5. AI Agent sends notifications to user

80-90% of the world's data exists in unstructured formats.

We're solving this massive challenge with AI agents!

Here is the AI agent team (ready for any client)

- Manager Agent delegates tasks
- Extraction Agents pull data using AI models
- Evaluator Agent verifies uncertain extractions
- Application Agent pushes to systems
- Communication Agent sends notifications

Here is an example implementation for a recent client:

1. User places invoice PDFs/images in a monitored folder	2920	52.88	83
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AI agents are redefining what's possible in AI & automation.  
They're not just chatbots. They're strategic partners.

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Here is an example for each:

1) Chatbot Example: An employee asks, "What's our company's policy on remote work expenses?"

11231 26.77 83

Ευχαριστώ πολύ για την πρόσκληση. Είμαι πολύ χαρούμενος που θα συμμετάσχω στην εκδήλωση. Η εκδήλωση είναι πολύ ενδιαφέρουσα και θα είναι μια καλή ευκαιρία να γνωρίσω τους άλλους συμμετέχοντες. Θα είμαι εκεί στις 10:00 π.μ. και θα είμαι έτοιμος να ξεκινήσω. Ευχαριστώ πολύ για την πρόσκληση. Είμαι πολύ χαρούμενος που θα συμμετάσχω στην εκδήλωση. Η εκδήλωση είναι πολύ ενδιαφέρουσα και θα είναι μια καλή ευκαιρία να γνωρίσω τους άλλους συμμετέχοντες. Θα είμαι εκεί στις 10:00 π.μ. και θα είμαι έτοιμος να ξεκινήσω. Ευχαριστώ πολύ για την πρόσκληση.

As an engineering manager, "Not possible" was our usual response.  
As a pre-sales leader, I watched brilliant solutions die because of that.

Here's what I learned from being part of pre-sales:  
,Üí Every "no" from engineering kills a potential partnership  
,Üí Sales isn't about lying - it's about exploring the art of possible  
,Üí Clients buy the vision, then they usually work with you to build it

The magic happens when engineering and sales collaborate instead of competing.

,úÖ The best companies find the middle ground  
,úÖ Sales needs to understand technical constraints  
,úÖ Engineering needs to embrace the art of the possible

Bill Gates proved this decades ago - sell the vision, build the solution.

Now I help bridge both worlds. It's challenging but necessary.

What's your experience? Have you seen this dynamic play out?	12660	29.94	83
Build your very first AI agent team in just 10 minutes without writing any code using Relevance AI. Join	2598	60.19	83

Ευχαριστούμε όλους τους συνεργάτες που συνέβαλλαν στην υλοποίηση του έργου. Η ομάδα του έργου αποτελείται από τους: [Ονόματα].

Οι πληροφορίες που περιλαμβάνονται σε αυτό το έγγραφο είναι αποκλειστικά για ενημέρωση και δεν πρέπει να χρησιμοποιούνται για άλλους σκοπούς.

That's how many people have already grabbed our APA report.

Inside the report:

• AI Agents are rewriting the automation narrative.

ó Discover the tech mashup: RPA, DPA, iPaaS, Process mining, and AI agents.

† Learn how LLMs & LAMs are unlocking next-level automation vibes.

ç See who's leading the APA race: capabilities, strengths, and weaknesses.

¶ Unearth the ROI goldmine: Save cash, move fast, and outpace the competition.

ò Get your step-by-step APA takeover plan.

Missed it? You can still grab it here: <https://share.botnirvana.org/W8o5>

Don't just read about the future, shape it.

Join our AI Mastermind: <https://share.botnirvana.org/W8o8>

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🎉 We've hit an incredible milestone!

We brought you:

👉 Agentic process automation (APA)

👉 RPA with AI "Computer use"

👉 LLM APIs "MCP"

👉 OCR 2.0

We're at the forefront of agentic automation and want to share this journey with you!

Thank you for being part of our community. 🙏

Have you ever wondered how agentic AI can transform your Org & career?

Let's explore the possibilities together. Join us!

<https://share.botnirvana.org/SYRU>

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Due to the rapid pace of change, the Gartner Hype Cycle for Emerging Technologies is a useful tool to understand the current state of the market. The cycle shows that AI is currently in the Trough of Disillusionment, which is a common phase for many emerging technologies. This means that while there is still a lot of excitement about AI, the initial hype has been tempered by reality. However, the cycle also shows that AI is moving towards the Slope of Enlightenment, which is a sign that the technology is becoming more widely understood and accepted. This is a positive sign for the future of AI, and it suggests that we should continue to invest in and develop this technology.

The new Gartner Hype Cycle reveals what we suspected:  
Gen AI is sliding into the trough of disillusionment.

But here's what's rising to the top:

- AI-Ready Data
- AI TRISM
- Sovereign AI
- ModelOps
- AI Agents

Translation: Customers now want "AI-ready infrastructure," AI orchestration, and AI agents, not just another chatbot.

Drawing on this, here are 5 pillars every AI-mature enterprise must master:

1. AI Agents: Autonomous, goal-oriented systems that learn and adapt
2. AI-Ready Data: Governed, cataloged, real-time streams that fuel decisions
3. AI Orchestration: ModelOps, workflow automation, and intelligent resource allocation
4. AI TRISM: AI Trust, Risk, and Security Management - focus on reliability and accountability
5. Sovereign AI: Localized models that meet regulatory, data residency, and privacy requirements

Why this shift matters:

Infrastructure outlasts hype

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131.48

82

3445	8.15	81
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Model + Tools + Instructions  
Not because of the technology.  
Not because of the budget.  
Not because of talent.  
They fail because teams skip the foundation.  
Here's what actually separates production-ready agents from expensive experiments:

Not because of the technology.  
Not because of the budget.  
Not because of talent.

They fail because teams skip the foundation.

Here's what actually separates production-ready agents from expensive experiments:

1. Core Components working in harmony (Model + Tools + Instructions)  
2. Smart Orchestration (Single vs Multi-agent patterns)  
3. Layered Guardrails (Smart systems need defense)

,Üí Core Components working in harmony (Model + Tools + Instructions)  
,Üí Smart Orchestration (Single vs Multi-agent patterns)  
,Üí Layered Guardrails (Smart systems need defense)

The 6-Step Implementation Roadmap:

1. Define Role & Goal - What does it do? For whom? Skip this = expensive paperweight  
2. Structure Input/Output - Use schemas (JSON), not messy text. Clean data in = reliable

4456 10.58 81

Let that sink in.  
I'm watching the IT industry go through its biggest transformation in decades.  
Three massive shifts are happening right now:  
1. Rule-based programming, to Autonomous AI agents working alongside humans  
2. Isolated software tools, to Integrated AI operating systems  
3. Effort & efficiency, to Output & value  
That third shift? It's fundamentally changing how services get priced.  
The old playbook is dying:  
- Price by headcount  
- Bill by the hour  
- Sell time  
The new reality?  
Four pricing models that didn't exist 18 months ago:

55322	134.63	81
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I set out to solve one problem: making AI & Automation accessible to every IT leader.

When I started posting about AI & Automation, I had no idea where it would lead.

I just knew our industry needed more:

- ,Üí Real talk about implementation challenges
- ,Üí Honest discussions about outcomes beyond the hype
- ,Üí Practical frameworks & learnings AI leaders could actually use

So here's my thank you:

- To every developer who shared their bot-building challenges
- To every leader who opened up about their automation struggles
- To every comment, share, and DM that made this a conversation, not a monologue

And here's my commitment moving forward:

- I'll keep sharing what's working (and what's not) in Agentic AI & Automation
- I'll continue calling out the gap between vendor promises and reality
- I'll keep making the complex accessible

Because that's what this community deserves.

Want to go deeper into Agentic AI?

4711

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Here's what went down:

## Üç<sup>a</sup> Craft beer brewing stories Üñ

Evening of fun, pizza, and drinks

If you're in DFW and lead AI automation...

Join our vibrant community and share your stories!

,û°ÔΠè Comment or DM to be part of the next gathering.

— — —

Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation



The RPA ecosystem is built around one thing:  
 The ability to interact with the UI of applications.  
 The RPA tools are wrappers around one thing:  
 The ability to interact with the UI of applications.

All major RPA tools are wrappers around one thing:

The ability to interact with the UI of applications.  
 The RPA tools are wrappers around one thing:  
 The ability to interact with the UI of applications.

Here's how RPA tools typically use UIA:

,Ä RPA tools use UIA to navigate through UI element hierarchies and detect specific elements reliably.  
 ,Ä RPA bots read element attributes like name, type, and ID to identify and interact with UI elements.  
 ,Ä Once detected, RPA uses control patterns like click, scroll, or text input to automate element interactions.

Sounds great, right? But here's the kicker:

If UIA fails, your RPA ecosystem is in danger. ❗

But don't panic just yet. There's a way out for your automation.

RPA is more alive than ever. Here's what the naysayers are missing...  
 Doesn't hallucinate: RPA is structured, logical, and systematic. This makes it ideal for critical, repetitive tasks.  
 Global API: It's the API for all places where API is not there for many reasons (legacy, extra effort, etc).  
 Cost Effective: Still the best for repetitive tasks that do not need dynamic reasoning. No token consumption costs as in agentic systems.  
 Energy Efficiency: RPA consumes much less energy than complex LLM-based AI systems.  
 It still delivers in-year benefits. Something Agentic AI still has to prove.

RPA isn't just surviving the AI boom, it's THRIVING.

It's the silent workhorse powering the future of automation.

RPA handles the boring stuff and enables AI for cognitive tasks.

77

They are mostly friends👉👈

RPA and API are secret besties.

RPA texts API at 2 AM for help👉👈

API pretends to be annoyed but always helps👉👈

What do you think?

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Unpopular opinion: Learning to code is becoming less valuable than learning to manage AI that codes for you.

A16z just showed us how teams are accelerating software development.

Same scope. Better quality. Completely different workflow.

BEFORE:

- Requirements gathering, architecture design
- Development, code review cycles
- QA, bug fixes
- Documentation, deployment prep

AFTER:

- PM writes detailed specs for AI agents
- Cursor + Devin generate code overnight
- Engineers review architecture & implementation
- AI runs automated QA, fixes bugs autonomously
- Engineers validate + deploy

Why this is the biggest shift since software began:

AI coding assistants boost developer productivity by 20% minimum.  
That's a \$3 trillion GDP impact. The size of France's entire economy.

The market proves it:

4578

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1) RPA/DPA/IA was the first level AI agents. So, if you are working on these - you are already on the journey!  
 The next level of Agents with controlled autonomy:  
 2) APA L1: A smart router directs control to needed functions. Developer decides available functions.  
 3) APA L2: Model gains more freedom, deciding which function or tool to call. Autonomy with guardrails.  
 Beyond APA lies the realm of pure AI agents:  
 4) AI Agent L1: Multi-step agents handle complex sequences, setting high-level goals.  
 5) AI Agent L2: Fully autonomous agents control all functions and even write new code.

Automation is evolving with AI agents. Are you ready for the future?

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Don't Miss the Boat! Join: From Hyperautomation to BOAI

Gartner's new term for the convergence of BPA, RPA, iPaaS, LCAP, and other related technologies:

[illegible]

It also has its own "Magic Quadrant" now and is #10 in popularity. So let's know it better:

As per Gartner:

Automation is easy to understand and justify with benefits like cost optimization, agility, efficiency, and accuracy. Yet, it's hard to execute due to the vast, overlapping automation software market.

The secret sauce? The "O" in BOAT: Business Orchestration. Without it, you're not maximizing your automation tech's potential.

🔑 In process automation, being cloud-first, API-first, or AI-first isn't enough. Scalable, resilient process orchestration will distinguish the leaders from the laggards.

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- Faster application development

## Accelerated processes

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The secret recipe behind AI agents revealed: Here, how they operate! 🍳

Just like a chef in a kitchen, AI agents operate using a cognitive architecture that involves a cycle of planning, execution, and adjustment.

Here's a step-by-step breakdown:

🔍 **Gathering Information:** Agents start by collecting relevant data like a chef checking orders and ingredients.

🧠 **Reasoning:** They analyze the information to decide on the next best steps, similar to a chef planning a dish's flavor combinations.

👨‍🍳 **Execution:** The agent executes actions (querying, computing, etc.), similar to a chef preparing a meal.

🔄 **Adjustment:** As they work, agents adjust their actions based on results and feedback, just like a chef refining a recipe based on taste tests.

The orchestration layer is central to an AI agent's cognitive architecture. This layer, enhanced by prompt engineering techniques, allows the agent to:

The orchestration layer is central to an AI agent's cognitive architecture. This layer, enhanced by prompt engineering techniques, allows the agent to:

Function Calling: Your helpful assistant, "Let me book a flight for you."  
MCP: Your operations manager, "Let me compare flights, check your calendar, hold your passport info, and send you a summary."

That's the difference between MCP and Function Calling.

Function Calling: Your helpful assistant, "Let me book a flight for you."

MCP: Your operations manager, "Let me compare flights, check your calendar, hold your passport info, and send you a summary."

The difference?

One executes tasks.

The other runs processes.

Let's dive into the two foundational approaches that are shaping serious AI infrastructure:

## 1. Function Calling:

Acts like a translator: Natural language to Structured API requests.

Limitations:

- Stateless: No long-term memory.
- Predefined: Tools must be hardcoded.
- Linear: No awareness of what happened before/after.

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Ευχαριστούμε πολύ!

Η χρήση AI στην Ελλάδα είναι σε εξέλιξη, αλλά η υιοθέτηση είναι αργή. Οι επιχειρήσεις που έχουν υιοθετήσει AI, το έχουν κάνει κυρίως για να βελτιώσουν την παραγωγικότητα και να μειώσουν τα λειτουργικά έξοδα. Η AI χρησιμοποιείται κυρίως σε λειτουργίες όπως η διαχείριση της αλυσίδας προμήθειών, η διαχείριση της ποιότητας και η διαχείριση της κεραιολογίας. Η AI είναι επίσης σε χρήση στην εκπαίδευση, στην υγεία και στην κυβέρνηση. Η AI είναι μια τεχνολογία που έχει το δυναμικό να αλλάξει τον κόσμο, αλλά η υιοθέτησή της είναι μια διαδικασία που θα πάρει χρόνο.

A recent poll of ~1,000 professionals worldwide by Bot Nirvana reveals a stunning adoption:

- 11% have AI agents live in production.
- 21% are on developing & on the brink of deployment.

👉 The Pioneers Are Reaping Rewards:

- 11% are seeing real benefits, 21% are developing.
- They are working on Next-gen automation, Smarter customer service, etc.

👉 The Next Wave Is Coming Fast:

- 8% are planning to implement, 13% are in discussions to add
- The AI agent revolution is accelerating. It's happening now.

👉 The Learning Trap:

- 47% are still "learning".
- Knowledge is power, but hesitation is costly.

The AI agent revolution is in full swing, and the early adopters are already in.

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Επιπλέον, η επικοινωνία μεταξύ των agents μπορεί να είναι απευθείας ή μέσω ενός κεντρικού διακομιστή. Η απευθείας επικοινωνία είναι πιο γρήγορη, αλλά μπορεί να είναι πιο δύσκολο να διατηρηθεί η ασφάλεια και η απορρήτευση. Η επικοινωνία μέσω κεντρικού διακομιστή είναι πιο ασφαλής, αλλά μπορεί να είναι πιο αργή.

Here are the 6 Agentic architectures that are driving the big shift:

➤ Hierarchical: A supervisor agent orchestrates specialized sub-agents for structured decision flow. (most common)

Example: Supervisor coordinates retrieval from internal data, web searches, and personal accounts.

➤ Human-in-the-loop: Requires human input before proceeding, especially with sensitive data.

Example: Agent asks for human approval before entering invoice data into the invoice system.

➤ Shared tools: Different agents have access to the same set of shared tools.

Example: Agents access a central database with user information using a search tool.

➤ Sequential: Agents process tasks one after another, the output of one becoming input for the next.

Example: A query agent retrieves information using vector search, then another uses web search.

➤ Network (Horizontal) Architecture: Agents communicate directly, forming a decentralized network.

Example: Multiple agents in a customer service system collaborate to resolve a customer issue

➤ Data Transformation Architecture: Dedicated to enriching and transforming data.

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Here is why this is a big deal:

1. The agents are part of the ERP (Dynamics 365 here). Automation is moving to the apps.
2. We are now moving past LLMs in the enterprise. The value is shifting from LLMs to automation.
3. A multi-agent mesh is forming. Millions of agents working together will redefine enterprises.

Here are the ten new agents that are set to change the landscape:

1. The agent that automatically qualifies leads and engages prospects, freeing up your sales team to focus on what matters.

2. The agent that streamlines the sales order process, ensuring a seamless experience from order to fulfillment.



Did OpenAI Operator just automate your job?

It's RPA hype d√@j√†vu!

AI bros just discovered AI RPA and are gushing over it:

"100x use cases for AI"

"Agents will now eat software"

"Imagine the jobs it can automate"

But here,Äô's the catch for Operator & Computer use:

Very Costly or exclusive to high-tier users.

They are clunky and struggle with complex interfaces

,ö†Ô[]è Limited to safe environments, very restricted functionality

As the AI Bros wade deeper, they will discover more, and then RPA people can help?üöÄ

Btw, this is good for RPA:

- RPA is Gaining attention
- Finally, we are into true AI-led RPA automation
- Now everyone understands the value of UI automation

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
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### Practical Tasks:

- ### Learn Along the Way:

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Ευχαριστούμε όλους τους συνεργάτες μας που συνέβαλλαν στην υλοποίηση του προγράμματος. Η επιτυχία του προγράμματος είναι αποτέλεσμα της συνεργασίας όλων των εμπλεκόμενων μερών. Η ευχαριστία είναι η καλύτερη ανταπόκριση στην προσπάθεια των άλλων. Η ευχαριστία είναι η βάση της αλληλεγγύης. Η ευχαριστία είναι η δύναμη που μας δίνει την ικανότητα να αντιμετωπίσουμε τις δυσκολίες. Η ευχαριστία είναι η βάση της ηγεσίας. Η ευχαριστία είναι η βάση της συνεργασίας. Η ευχαριστία είναι η βάση της ανάπτυξης. Η ευχαριστία είναι η βάση της ευτυχίας. Η ευχαριστία είναι η βάση της ζωής. Η ευχαριστία είναι η βάση της αγάπης. Η ευχαριστία είναι η βάση της ελπίδας. Η ευχαριστία είναι η βάση της πίστης. Η ευχαριστία είναι η βάση της αφοσίωσης. Η ευχαριστία είναι η βάση της αντοχής. Η ευχαριστία είναι η βάση της δύναμης. Η ευχαριστία είναι η βάση της σοφίας. Η ευχαριστία είναι η βάση της γνώσης. Η ευχαριστία είναι η βάση της αλήθειας. Η ευχαριστία είναι η βάση της δικαιοσύνης. Η ευχαριστία είναι η βάση της ειρήνης. Η ευχαριστία είναι η βάση της αρετής. Η ευχαριστία είναι η βάση της ανθρωπιάς. Η ευχαριστία είναι η βάση της αγάπης. Η ευχαριστία είναι η βάση της ελπίδας. Η ευχαριστία είναι η βάση της πίστης. Η ευχαριστία είναι η βάση της αφοσίωσης. Η ευχαριστία είναι η βάση της αντοχής. Η ευχαριστία είναι η βάση της δύναμης. Η ευχαριστία είναι η βάση της σοφίας. Η ευχαριστία είναι η βάση της γνώσης. Η ευχαριστία είναι η βάση της αλήθειας. Η ευχαριστία είναι η βάση της δικαιοσύνης. Η ευχαριστία είναι η βάση της ειρήνης. Η ευχαριστία είναι η βάση της αρετής. Η ευχαριστία είναι η βάση της ανθρωπιάς.

When we look back at 2025, we'll remember it as the year AI agents changed work. 

AI agents are not just tools; they are the future.

Το AI είναι η δύναμη που μας δίνει την ικανότητα να αντιμετωπίσουμε τις δυσκολίες. Η ευχαριστία είναι η καλύτερη ανταπόκριση στην προσπάθεια των άλλων. Η ευχαριστία είναι η βάση της αλληλεγγύης. Η ευχαριστία είναι η δύναμη που μας δίνει την ικανότητα να αντιμετωπίσουμε τις δυσκολίες. Η ευχαριστία είναι η βάση της ηγεσίας. Η ευχαριστία είναι η βάση της συνεργασίας. Η ευχαριστία είναι η βάση της ανάπτυξης. Η ευχαριστία είναι η βάση της ευτυχίας. Η ευχαριστία είναι η βάση της ζωής. Η ευχαριστία είναι η βάση της αγάπης. Η ευχαριστία είναι η βάση της ελπίδας. Η ευχαριστία είναι η βάση της πίστης. Η ευχαριστία είναι η βάση της αφοσίωσης. Η ευχαριστία είναι η βάση της αντοχής. Η ευχαριστία είναι η βάση της δύναμης. Η ευχαριστία είναι η βάση της σοφίας. Η ευχαριστία είναι η βάση της γνώσης. Η ευχαριστία είναι η βάση της αλήθειας. Η ευχαριστία είναι η βάση της δικαιοσύνης. Η ευχαριστία είναι η βάση της ειρήνης. Η ευχαριστία είναι η βάση της αρετής. Η ευχαριστία είναι η βάση της ανθρωπιάς.

They possess agency! They can sense their environment, think critically, and act autonomously.

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With breakthroughs like powerful GPUs and deep learning, we have the technology to create machines that can truly think for themselves.

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AI agents are handling customer service, managing healthcare monitoring, or optimizing manufacturing processes.

They will automate both white-collar and blue-collar jobs, transforming entire industries.

Watch the 5-minute video to know more.

What do you think?

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Our report is striking a chord. Thanks to everyone!  
Now we're going deeper with an exclusive session based on YOUR questions  
Join us as we dissect:

- Agentic Terms & Definitions - Cut through the buzzwords to understand what truly matters
- Evolution Trends - The convergence and the journey to the APA revolution
- Comprehensive Market Analysis - Who are the key players emerging
- Practical Adoption Strategies - Tips on how to start implementing APA
- Future Implications - What's next and how to position yourself ahead of the curve

If you thought RPA was transformative, our report shows AI Agents are completely redefining what's possible in enterprise automation.

This session is perfect for: Automation leaders, digital transformation executives, and technology strategists looking to convert insights into action.

Register here: <https://community.botnirvana.org/events/93264B>

Haven't grabbed the original report yet? Join the 600+ professionals who already have:

<https://share.botnirvana.org/WDXR>

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Microsoft now has powerful RPA/APA/Agentic Automation options.  
Here,Â’s the breakdown:  
1. Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.  
2. User-Friendly: Natural language tasks, no coding, full visibility.  
3. Use Cases: Automates data entry, research, and more.

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3. Use Cases: Automates data entry, research, and more.

Copilot Studio,Â’s new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

- Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.
- User-Friendly: Natural language tasks, no coding, full visibility.
- Use Cases: Automates data entry, research, and more.

2. New! UiPath + Microsoft Integration:

The bidirectional integration between UiPath Studio and Copilot Studio enables developers to orchestrate automations across both platforms.

Εύοε Εύο \*""ΕύοΑΕΕύοΘΕύο~ΕύοσΕύο~Εύο\*, ΕύοΒΕύομΕύοΣ Εύο•Εύο±Εύοι  
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The RPA market is slowing down and here,Äs why:

Εύί LACK OF ROI: Many companies are made to buy bots in packages, often ending up with unused licenses. This leads to a significant impact on overall ROI.

Εύί HIGH IMPLEMENTATION COSTS: The initial implementation can cost up to 20x more than the software. This along with bot costs is a huge financial burden for the projects.

Εύß TECHNOLOGY FAILURES: RPA's UI technology needs more maintenance, as bots break when connected apps upgrade, leading to higher maintenance costs.

Εύñ The rise of agentic AI is changing the game. Companies are now exploring AI solutions that offer more intelligent, adaptable process automation.

And so, with technological advancements, new players are emerging with tools that are far more user-friendly and cost-effective. (E.g. Relevance AI or Make from Celonis or Zapier or n8n or Voiceflow)

- ,úÖ They offer intuitive interfaces that business people are automating with (really!)
- ,úÖ Low monthly costs based on transaction volumes (try, cancel anytime)
- ,úÖ Very low learning curve

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Microsoft now has powerful RPA/APA/Agentic Automation options.  
Here,Â’s the breakdown:  
1. Copilot Studio,Â’s new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

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- Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.
- User-Friendly: Natural language tasks, no coding, full visibility.
- Use Cases: Automates data entry, research, and more.

2. New! UiPath + Microsoft Integration:

The bidirectional integration between UiPath Studio and Copilot Studio enables developers to orchestrate automations across both platforms.

Εύχομαι να είστε πάντα υγιείς και ευτυχισμένοι. Η ζωή είναι σύντομη, γι' αυτό μην την περνάτε με ανησυχίες και προβλήματα. Χαλαρώστε, γελάστε και περνάτε τις μέρες σας με αγάπη και κατανόηση. Το μέλλον είναι πάντα καλύτερο από το παρελθόν, αρκεί να το φτιάξετε με τις δικές σας προσπάθειες. Καλή συνέχεια!

Vibe coding is a new approach where AI handles the solutions & coding, and developers guide with intent.

(This was introduced recently in a tweet by Andrej Karpathy - link in comments)

How It's Done:

- Use AI tools like Cursor Composer with LLM to streamline coding.
- Speak your prompts to the AI to develop the code iteratively.
- Accept all suggestions & changes without overthinking!
- Paste any errors directly; AI often auto-corrects.
- Handle complex bugs by manual tweaking.

This is 'vibe computing': a seamless fusion of human intent and AI execution.

So, are you ready to vibe with AI and redefine software development?

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Building AI agents or AI apps is 5% AI and 95% software engineering.

So, Software engineers are well placed for this emerging opportunity vs ML engineers.

Here is why:

🔄 Agile Development: AI agent/app development requires adaptability. Software engineers thrive here, unlike ML engineers who focus on data & algorithms.

👤 Application-First Mindset: AI agents need an app-first approach. Software engineers prioritize user-friendly products, unlike ML engineers focusing on models.

🔗 Strong Integration Skills: AI agents/apps require seamless component integration. Software engineers excel with API & UI integrations.

👤 Understanding User Experience (UX): AI agents need user-centric designs. Software engineers inherently have this user outlook.

🧪 Thorough Testing: Reliable AI agents need solid end-product testing. Software engineers ensure this, unlike ML engineers who focus on model validation.

If you are a SW Engg, here is how you can transition to AI engineers:

- Master foundational AI concepts: Learn LLM models, Prompt Engg, RAG & Agents
- Develop practical hands-on experience: Build projects with the best LLMs and APIs.
- Embrace iterative development & user feedback: Prioritize user feedback and refinement.

9 in 10 Digital Transformation initiatives fail (HBR).

But most organizations keep making the same mistakes:

- They try to force a digital transformation with shiny tools.
- An organization's digital environment is not a green field, as many imagine.
- Even in greenfield scenarios, the well-thought-out „Äüdream tool,Äü may not succeed.

What you can do about it:

- Understand the current digital environment, culture, & upcoming tech.
- Instead of thinking of "digital transformation", think of it as digital evolution.
- Start with a business objective and take initial steps (from a worm to a pupa!)
- Allow the 'transformation' to unfold naturally, rather than forcing it with shiny tools.

Be curious, strategize, build capabilities, evolve, scale, and continuously improve.  
That,Äôs transformation but it is more of a gradual evolution with digital technologies.

What do you think?

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🔗üéØ Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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LLMs, Tools, and Agents  
Agents are LLMs that can interact with the world through tools.  
Agents can be used to automate tasks that require reasoning and tool use.  
Agents can be used to build applications that are more powerful than LLMs alone.  
Agents can be used to build applications that are more user-friendly than LLMs alone.

AI agents don't fail because of LLMs or Tools.

They fail because teams skip the Orchestration Layer.

Google's new report identifies it as the core part of AI agents.

It's the "Orchestration Layer" - the layer that actually gets agents into production.

Here's what it handles:

1. Task decomposition  
2. Tool selection  
3. Tool execution  
4. Tool output parsing  
5. Tool error handling  
6. Tool output aggregation  
7. Tool output formatting  
8. Tool output presentation  
9. Tool output storage  
10. Tool output retrieval

11. Contextual recall  
12. Long-term memory  
13. Short-term memory  
14. Working memory  
15. Attention  
16. Reasoning  
17. Planning  
18. Decision making  
19. Problem solving  
20. Learning

21. Tool invocation  
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## ☹ The Fatal Flaws of BPO:

- ## 🔮 The AI Agent Revolution Changes Everything:

- ### Major Opportunities Emerging:

- ### Key Players Already Moving:

The RPA market is slowing down, and here's why:  
 1. LACK OF ROI: Many companies are made to buy bots in packages, often ending up with unused licenses. This leads to a significant impact on overall ROI.  
 2. HIGH IMPLEMENTATION COSTS: The initial implementation can cost up to 20x more than the software. This, along with bot costs, is a huge financial burden for the projects.  
 3. TECHNOLOGY FAILURES: RPA's UI technology needs more maintenance, as bots break when connected apps upgrade, leading to higher maintenance costs.  
 4. The rise of agentic AI is changing the game. Companies are now exploring AI solutions that offer more intelligent, adaptable process automation.

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And so, with technological advancements, new players are emerging with tools that are far more user-friendly and cost-effective. (E.g., Relevance AI or Make from Celonis or Zapier or n8n or Voiceflow)

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Before MCP, Agentic AI was tough. Now? It,Äôs autonomous magic.

µüâê Why MCP?

MCP is creating the standard rules (protocol) for the AI agent age, standardizing data and tool access.

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The best way to understand MCP is to see how things are done now (before MCP) and how MCP changes that:

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µüß AI agents require custom-built tools for each task.

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µüç AI models query MCP servers for available actions, selecting the right tools for tasks.

µüŒ MCP,Äôs bi-directional protocol allows AI to understand actions & also execute them.

µüÄ With MCP, AI models autonomously use servers to execute tasks.

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1. Rule-Based Automation: Simple rules, no intelligence. E.g., RPA copying data.  
 2. Intelligent Automation: AI-enhanced, handling unstructured data. E.g., Customer service bots based on the FAQ.  
 3. Agentic Workflows: Uses IA models, reasoning, and self-aware tool use. E.g., trading agents that execute complex financial transactions based on market conditions.  
 4. Semi-Autonomous Systems: Works independently, breaking down goals & learns from outcomes. E.g., Medical diagnosis agents that analyze patient data and recommend treatment plans.  
 5. Fully Autonomous Systems: This is still theoretical, handling any goal. Example: Universal personal assistants.

Here's the evolution from simple scripts to fully autonomous systems from our Agentic AI book.

Note how capability and autonomy increase while human control decreases as we climb the ladder:

👉 Level 1 - Rule-Based Automation: Simple rules, no intelligence. E.g., RPA copying data.

👉 Level 2 - Intelligent Automation: AI-enhanced, handling unstructured data. E.g., Customer service bots based on the FAQ

👉 Level 3 - Agentic Workflows: Uses IA models, reasoning, and self-aware tool use. E.g., trading agents that execute complex financial transactions based on market conditions

👉 Level 4 - Semi-Autonomous Systems: Works independently, breaking down goals & learns from outcomes. E.g., Medical diagnosis agents that analyze patient data and recommend treatment plans

👉 Level 5 - Fully Autonomous Systems: This is still theoretical, handling any goal. Example: Universal personal assistants.

As we advance through these levels, we face a crucial dilemma:

Greater capability enables more impressive outcomes, but comes with diminishing human

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Συμπεράσματα: Η AI είναι ένα εργαλείο που μπορεί να βοηθήσει στην αυτοματισμό των διαδικασιών, αλλά δεν είναι η λύση για όλα. Η επιτυχία εξαρτάται από την εφαρμογή και την υποστήριξη. Η AI είναι ένα εργαλείο που μπορεί να βοηθήσει στην αυτοματισμό των διαδικασιών, αλλά δεν είναι η λύση για όλα. Η επιτυχία εξαρτάται από την εφαρμογή και την υποστήριξη.

Here's the hype vs reality:

☹️ The Lies:

- "RPA is dead"
- "OCR is obsolete"
- "Everyone's using AI agents"
- "GenAI has replaced everything"
- "You need AI for every business process"

Let's look at the data... 📊

☹️ The Reality:

- Most successful companies use a hybrid approach
- Intelligent Automation still delivers in-year ROI
- IA processes billions of transactions daily
- RPA market: \$3.2B & growing at 22.1%!
- GenAI enhances rather than replaces
- Every tool has its sweet spot

Stop chasing headlines. Start building solutions that work.

2146

42.14

62



AI Automation is reshaping industries, but not all automation is the same. Here's a breakdown of IA, APA, and AI Agents. 🔄

🔄 Intelligent Automation (IA): Automates processes using RPA, machine learning, and even generative AI. Perfect for high-volume, repetitive tasks.

🔄 Agentic Process Automation (APA): Dynamic AI agents within workflows, using LLMs to handle semi-dynamic scenarios. Less human intervention is needed.

🔄 AI Agents: The pinnacle of autonomy. Capable of planning, executing, and adapting to complex, unstructured tasks.

There is no right or wrong approach.

Just choose the right one for your current needs.

What do you think?

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🔄 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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'Πάντα είναι καλύτερα να μην έχεις bot, παρά να έχεις bot που κάνει λάθος.  
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For anyone who's built and scaled bots, it hurts because it's true.

Here's a quick breakdown of where the pain hits hardest.

### 🤖 RPA SPECS (Migraines of assumptions)

Incomplete process knowledge

Business stakeholders are „hands-off,“

Legacy apps with zero documentation

### 👤 RPA DEV (Pain in the neck)

No skilled devs or over-reliance on under-trained citizen devs

„Low-code,“ tools need high-code work

UI screen mapping is a big headache	2141	38.06	62
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I just analyzed McKinsey's 2025 AI report. One number jumped out:  
6%

That's the percentage of companies actually winning with AI.  
Not experimenting. Not piloting. WINNING.

While 90% of companies use AI, only one-third move beyond pilots.  
But that elite 6%? They're playing a completely different game.

Here's their playbook (and it's eerily similar to what we learned from RPA/IA):

What they DON'T do:  
Bolt AI onto existing processes  
Chase efficiency metrics alone  
Run endless PoCs with no real budget  
Let AI sit alongside legacy systems

What they DO:  
Rebuild workflows from the ground up (3x more likely than average)  
Set growth + innovation objectives (not just cost reduction)  
Deploy centralized governance teams  
Invest in real infrastructure that supports AI at scale  
Move fast with iterative development cycles

The biggest lesson?  
These high performers measure how fast their AI agents can transform work.

3854

9.15

61



Εύχομαι να σας ενημερώσω ότι η διαδικασία που ακολουθούμε είναι η εξής: Η ομάδα μας θα ελέγξει τα στοιχεία που μας έχετε υποβάλει και θα σας ενημερώσει για το αποτέλεσμα. Εάν χρειάζονται περισσότερα στοιχεία, θα σας ενημερώσουμε. Ευχαριστούμε πολύ για την υπομονή σας.

Here's the problem they were facing:

- Manual work required for unstructured Invoice formats
- Low accuracy & missing data ending up in QuickBooks
- Lack of a secure, automated, end-to-end automation
- Managers left in the dark about processing status

The solution? A 4-agent automation system:

- ,Üí Extractor Agent: Monitors folder, uses Google Gemini Flash 1.5 to convert PDFs/images to JSON
- ,Üí SQL Agent: Transforms extracted data into database queries for the QuickBooks agent
- ,Üí QuickBooks Agent: Executes queries and syncs data to QuickBooks
- ,Üí Communication Agent: Sends success/failure notifications

Result: Seamless invoice processing from folder drop to QuickBooks entry.

No more manual data entry. No more missed invoices. No more frustrated managers.

What manual process is eating up your team's time?

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• The Demo Magic Was Real:  
Remember those jaw-dropping RPA demos?  
Bots filling forms with robotic precision.  
Clients saw a future where automation could transform work, making it visible and tangible.  
It was like watching Susan from Accounting work faster, minus the coffee breaks!

• The Harsh Reality Check:  
But the truth? It's not all sunshine and rainbows:  
Bots needed constant supervision.  
A single UI change could crumble workflows.  
Enterprise-wide automation often remained a fantasy.

• The Lesson: Visibility vs. Resilience  
Automation should be visible for buy-in, and also resilient for true value.

The future? Agentic AI:  
REASONING over rules.  
AUTONOMY over babysitting.  
ADAPTATION instead of rigidity.

It uses specialized AI agents & people in a workflow to autonomously resolve tickets.  
Here is how it works:

• Incident Creation: Business users submit support tickets via the IT portal.

• Workflow Trigger: The software incident support workflow is initiated to resolve.

• Incident Classification Agent: AI classifies the ticket and assigns it to the right agent.

• Incident Analysis Agent: Analyzes past articles, SOP's, etc for similar fixes and solutions.

• Solution Validation/Escalation: Agent validates solution w/KB else escalates to Human L3.

• Human-in-the-Loop: Humans validate and fully implement the resolution before finalizing.

• Resolution Completion & Update: The resolution agent updates the status in the system for users.

• Workflow Monitoring and Metrics: The system tracks interactions and reports metrics for improvements.

[illegible]

In 2025, OpenAI declared "code red" over Google's Gemini.

95% of enterprise AI pilots are FAILING. (MIT)

Here's why & what nobody's talking about:

• 50% lack skilled AI professionals - most pilots collapse w/ talent gaps

Many struggle with legacy system integration when deploying agentic AI

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Ευχαριστώ πολύ για την παρουσίαση και την πρόσκληση. Ημερής μου είναι η 15η Οκτωβρίου, ημερής που ο Νίκος και η Αλίκη παντρεύτηκαν. Ημερής μου είναι η 15η Οκτωβρίου, ημερής που ο Νίκος και η Αλίκη παντρεύτηκαν. Ημερής μου είναι η 15η Οκτωβρίου, ημερής που ο Νίκος και η Αλίκη παντρεύτηκαν.

We're entering the age of Jobs 2.0, where the real value shifts from doing the task to orchestrating AI agents and people.

☺ Here's what that means for EVERY Job (and why it's both exciting and urgent):

In the past, value came from knowing how to:

- Write the code
- Draft the contract
- Build the budget
- Analyze the data

But now, AI agents can do all of that faster, cheaper, and 24/7.  
So what becomes scarce (and valuable)?

• Designing Adaptive Agent + Human Workflows

• Orchestrating Scarce Resources (Compute, Energy)

• Turning Cheap Intelligence into Competitive Advantage

• Managing to Business Outcomes, Not Just Task Outputs

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The automation solution that does not fail 🙏🏻

Mostly....

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🙏🏻 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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How does AI adoption evolve? This model maps the journey and shifting human roles:

- 2üsñ 2ùò£2ùòÑ2ùòñ,Äò2ùòÄ2ùòí2ùòó  
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- AI as Advisor: Offers insights and suggestions for humans to act on.
- AI as Assistant: Streamlines tasks to save time and effort.

31.88

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[illegible]

☐üéØ Here's exactly how I did it:

## ❓ Used Anthropic's Model Context Protocol (MCP)

## 🔗 Connected Claude AI to Puppeteer MCP server

Generated one detailed prompt with Claude

Let AI figure out the automation code

⌘ Watched it complete in milliseconds!

Warning: Traditional automation people might find this disturbing... ☹️

❓ Traditional RPA/BPM automation:

- Complex workflows & "low" code
- Rules-based programming

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Ενός από τους βασικούς λόγους που οι επιχειρήσεις πρέπει να επενδύσουν στην τεχνητή νοημοσύνη είναι η βελτιστοποίηση της παραγωγικότητας. Η τεχνητή νοημοσύνη μπορεί να αναλάβει επαναλαμβανόμενες εργασίες, να αναλύσει μεγάλες ποσότητες δεδομένων και να λάβει αποφασιστικές ενέργειες σε κλάσματα δευτερολέπτων. Αυτό σημαίνει ότι οι επιχειρήσεις μπορούν να μειώσουν τα λάθη, να αυξήσουν την ταχύτητα και να μειώσουν τα λειτουργικά έξοδα.

But how do you practically integrate AI agents into your organization?

The first AI agent playbook for businesses is a best seller! I,Ãm thrilled to have contributed alongside top experts.

Here,Ãs a sneak peek from Chapter 8: A Practical Guide For Building Successful AI Agents.

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🔍 Step 1: Identify Opportunities: Find tasks where AI Agents adds significant value.

🛠️ Step 2: Design Roles and Functions: Craft roles and functions for your AI agent.

🗺️ Step 3: Map for Success: Outline workflows and success criteria.

🚀 Step 4: Implement: Use the right tools to bring your agent to life.

I break it all down in a step-by-step video (link in comments).

The book,Ãs packed with much more, including best practices, strategies, and real world examples	2127	5.57	57
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[illegible]

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- AI as Advisor: Offers insights and suggestions for humans to act on.
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56



Εύχαριςτούμενος ο Διευθυντής του ΕΛΛΗΝΙΚΟΥ ΕΛΕΓΧΟΥ ΚΑΙ ΕΛΕΓΧΟΥ ΤΗΣ ΠΟΙΟΤΗΤΑΣ, ο οποίος, με την απόφασή του, έχει αποφασίσει να μην επιτρέψει την εισαγωγή στην αγορά των προϊόντων που περιλαμβάνονται στον πίνακα που ακολουθεί, λόγω του ότι τα προϊόντα αυτά δεν πληρούν τις απαιτήσεις της νομοθεσίας που αφορά την προστασία της δημόσιας υγείας.

Εντός των ημερών:

Bad data = Bad models.

Εντός των ημερών:

Bad data = Bad outputs (Code, Marketing material, DNA sequences).

Εντός των ημερών:

Bad data = Bad actions across apps, platforms & databases.

Bad data = AI becomes a burden, not a differentiator.

Garbage in, garbage out, lots of garbage out

What do you think?

14087

192.13

56

Επιπλέον, οι εταιρείες που έχουν υιοθετήσει την AI, αναφέρουν ότι η επένδυση αυτή είναι πολύτιμη, καθώς τους επιτρέπει να ανταποκριθούν γρηγορότερα στις ανάγκες της αγοράς, να βελτιώσουν την ποιότητα των υπηρεσιών που προσφέρουν και να μειώσουν τα λειτουργικά τους κόστη. Η AI, λοιπόν, δεν είναι μόνο ένα εργαλείο, αλλά ένας μετασχηματιστής που αλλάζει τον τρόπο με τον οποίο οι επιχειρήσεις λειτουργούν.

They're making a costly mistake.

Here's what the AI vendors won't tell you:

That "boring" RPA you're abandoning? It's still your best ROI for 70% of processes.

I mapped every automation technology against the real need.

The resulting quadrant is how I am mapping out the landscape now. 🌍

The 2025 Automation Quadrant reveals:

🟢 BUILD HERE FIRST (Green Zone)

• High-volume + Low complexity

• RPA, DPA, Intelligent Automation

• Why? Proven. Reliable. Cost-effective.

3259

43.63

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1. **Traditional Corporations:** Rigid hierarchies with internal politics.  
 2. **Startups:** All hands on deck, but VC-dependent, high stakes.  
 3. **Solopreneurs:** Full control, own ship, scaling is tough, limited leverage.  
 4. **Solopreneurs with AI:** Game-changer, maximum autonomy, digital leverage, one-person or small teams.

The evolution of our professional landscape:

AI is redefining what's possible for individuals, enabling unprecedented productivity and impact.  
 What do you think?

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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Microsoft now has powerful RPA/APA/Agentic Automation options.  
Here,Â’s the breakdown:  
1. Copilot Studio,Â’s new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

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(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

- Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.
- User-Friendly: Natural language tasks, no coding, full visibility.
- Use Cases: Automates data entry, research, and more.

2. New! UiPath + Microsoft Integration:

The bidirectional integration between UiPath Studio and Copilot Studio enables developers to orchestrate automations across both platforms.

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67% of Mature AI Organizations Are Creating New AI Roles.

87% already have dedicated AI teams, according to a Gartner survey.

A lack of skills and staff is holding many back. Here are a few current & emerging AI roles:

• Chief AI Officer: Leads AI strategy and oversight.

• Head of AI: Directs AI initiatives and teams.

• AI Architect: Designs scalable AI system architecture.

• AI Product Manager: Manages the AI product development lifecycle.

• AI Risk & Governance Specialist: Ensures AI compliance and risk management.

• AI Ethicist: Addresses ethical implications of AI.

• Model Manager: Oversees the AI model lifecycle.

• Model Validator: Verifies AI model accuracy and reliability.

2668

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AI agents are redefining what's possible in AI & automation.  
They're not just chatbots. They're strategic partners.

• Autonomous Decision-Making: Execute complex tasks without constant oversight.

à Memory-Driven Personalization: Leverage past preferences for tailored outcomes.

,èèè Seamless Execution: Orchestrate tools to deliver comprehensive results.

† Context Awareness: Adapt dynamically to user needs and real-time data.

ø Goal-Oriented Planning: Break down objectives into actionable steps.

Ñ Problem Solving: Refine approaches through continuous learning.

ù Human-AI Collaboration: Amplify your team's expertise.

Here is an example for each:

1) Chatbot Example: An employee asks, "What's our company's policy on remote work expenses?"

5443 14.33 54

A primer on RPA.

- RPA in simple terms ,Ài What is it and why do we need it
- How does RPA work ,Ài Types of RPA and how it works
- What can RPA do? ,Ài Explore RPA use cases by business group
- What are the top RPA tools? ,Ài The top 30 tools and their pros and cons
- Big benefits and challenges ,Ài Check out the top pros & cons of RPA
- Current Trends with RPA ,Ài Where is RPA headed? What is the future of RPA?
- Top six RPA best practices ,Ài 6 things we wish we knew before getting started
- Make your first Bot ,Ài Get your hands dirty with a few easy tutorials

<https://share.botnirvana.org/TKHH>

Join our free deep dive session on the next evolution of RPA - Agentic Process Automation (APA):

<https://community.botnirvana.org/events/FC974F>

#RPA #AI #innovation #technology

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🔗 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

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200A 88 people joined us for the "Beyond RPA" session last week.

If you missed it, here are 10 key insights:

1. RPA remains essential: Perfect for high-volume, structured tasks.

2. AI agents are evolving: Yet, task planning still faces reasoning challenges.

3. APA bridges the gap: Merging workflow reliability with AI agents' intelligence.

4. Controlled AI agents: APA ensures a more regulated approach within workflows.

5. Dynamic decision-making: APA enables real-time, intelligent decisions in processes.

6. Convergence trend: RPA, BPM, DPA, iPaaS, and process mining are aligning with Agentic.

7. New market players: Amazon Q, Celonis w/ Make, MuleSoft w/ Agent Force, Kognitos, & more.

8. New skills for APA: AI models, effective prompting, RAG, Evals, Agent tools, Agent monitoring, & more.

9. Top benefit: New automation possibility, Boosted efficiency & productivity. Top challenges: Hallucinations, bias, data privacy, and explainability.

Like to see the recording? Join our newsletter & get it tomorrow (link in comments)

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Εύχομαι να είστε καλά και να περάσετε καλά.  
Εύχομαι να είστε καλά και να περάσετε καλά.  
Εύχομαι να είστε καλά και να περάσετε καλά.

Mostly the same with some movement:

- Same top 4 leaders - UiPath, AA, Msft & Blue Prism
- Microsoft's completeness of vision is best (always was?)
- Pega and Appian have moved from visionaries to challengers
- EvoluteIQ has entered (congratulations) while Nintex has gone out.

Every "new" RPA Quadrant seems the same as the past.

Now that we have a BOAT Magic quadrant, which includes everything, would it replace this?

What are your thoughts?

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Εύχομαι να είστε καλά και να περάσετε καλά: <https://lnkd.in/gFwv7QiX>

Repost if this helped you see the shift ,ô^ÔΠè

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4416

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[illegible]

## Meet the family:

C: The respected grandfather. Built everything.

C#: The overachiever. C's ambitious daughter.

Java: The reliable corporate employee. Does the job.

PHP: The web's workhorse. Gets things done quietly.

Then there's RPA.

RPA showed up to the family dinner with:

• No code required

## Ä Drag-and-drop stuff

„Äç "I'll just record what humans do."

How did we get here?

Simple. Business moved faster than IT departments.

People needed automation NOW.

Not after 6 months of development.

Not after learning C or C#.

NOW.

4510

61.84

53

But no one is laying out an effective roadmap for AI governance  
 So, here are the key components to build that roadmap:  
 → Strategy Alignment: Align AI initiatives with business objectives to maximize competitive advantage.  
 → Governance: Establish clear accountability frameworks for AI decision-making and oversight.  
 → Performance: Regular KPI reviews ensure AI delivers measurable business value.  
 → Risk Management: Proactive risk assessment prevents regulatory, ethical, and technical failures.  
 → Technology and Data: Ensure adequate tech understanding and that data is used responsibly and ethically  
 • Talent: Development programs to bridge AI expertise gaps across all organizational levels.

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AI is not one thing!

Here are the AI concepts simplified:

• AI: Machines showing intelligent behavior.

• Machine Learning: Automated pattern recognition from data.

• Neural Networks: Powerful algorithms inspired by the human brain.

• Deep Learning: Complex machine learning techniques w/neural networks.

• Generative AI: Leveraging deep learning to create digital content autonomously.

• Large Language Models (LLMs): Advanced text completion models, such as GPTs.

• GPT: OpenAI Generative AI model performing well - not sure why.

• GPT-4o: The latest cutting-edge GPT model from OpenAI, setting new benchmarks.

• ChatGPT: A user-friendly web app empowering you to harness the potential of GPT4.

What would you add?

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The convergence of various technologies is creating a new paradigm for business automation. This paradigm is based on the integration of artificial intelligence, machine learning, and cloud computing. The result is a more efficient and effective way of automating business processes.

A big convergence is happening.

Microsoft, IBM, Celonis, UiPath, AA, Pega, MuleSoft, etc, are all racing towards the same future - but most people don't see it coming.

Key Building Blocks of Digital Automation:

- BPM/DPA/Low-code (Business Process Management/Digital Process Automation/Low-code)
- RPA (Robotic Process Automation)
- IDP (Intelligent Document Processing)
- Process Mining / Task Mining
- AI/ML (Artificial Intelligence/Machine Learning)
- iPaaS (Integration Platform as a Service)

All roads now lead to one destination: Agentic Process Automation (APA) or Agentic Automation.

Why? Because AI agents are the future of automation. They can:

- Think and reason like humans
- Make decisions autonomously
- Adapt quickly to changing conditions
- Work across multiple systems seamlessly

Ευχαριστούμε πολύ για την προσφορά σας και την υποστήριξη που μας παρέχετε. Η συνεργασία μας είναι πολύ σημαντική και θα συνεχίσουμε να εργαστούμε για την βελτίωση των υπηρεσιών μας. Ελπίζουμε να έχουμε την ευκαιρία να συνεργαστούμε και στο μέλλον. Με εκτίμηση, Ο Διευθυντής, Τμήμα Πωλήσεων.

Here's what's coming to replace it:

Introducing Agentic OCR - The next evolution of document processing.

## THE EVOLUTION:

### 1. Traditional OCR (2000s-2010s)

- Rigid, template-based systems that crumble with format variations
- Breaks completely when documents deviate from templates
- Limited accuracy (60-80% on good days)
- Massive manual correction needed

### 2. AI/ML-Powered OCR (2010s-2020s)

- Requires extensive model training per domain/document type
- Still significantly error-prone (80-90% accuracy at best)
- Struggles with document diversity and edge cases
- Human validation is still required for most outputs

### 3. Agentic OCR (2025+) - THE NEW WAY:

2457

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But they're missing the bigger picture.

I was at IBM Tech Exchange, and the conversation has shifted. It isn't just about agents that can reason, plan, and use tools.

The conversation is about what comes AFTER agents:

- Think about it:
- One agent is useful
  - Multiple agents talking to each other is powerful
  - Multiple agents + humans dynamically collaborating? That's transformational

This is the shift from "look what our agent can do" to "look what our orchestrated network can achieve."

The implications for RPA and IT leaders:

- Your tech stack becomes part of the orchestration
- Your organization's structure becomes an orchestration chart
- Your pilots need to evolve into production-grade orchestrated systems

We spent the last decade automating tasks.

We spent the last year building AI agents.

2800

6.74

52

1. Model selection: Choose the right model from industry leaders like Google, OpenAI, Anthropic, or open-source.  
 2. Data preparation: Gather and prepare your training data strategically.  
 3. Model evaluation: Clean and organize data for optimal model performance.  
 4. Model deployment: Create robust test datasets to benchmark progress.  
 5. Model improvement: Assess model behavior and identify potential biases.  
 6. Fine-tuning: Fine-tune models to match your specific use case.  
 7. Optimization: Optimize for better performance and efficiency.

This framework addresses the entire Gen AI lifecycle - from model selection to responsible deployment.

Here's your roadmap to production-ready scalable Gen AI:

## 1. DISCOVER

- Select the right model from industry leaders like Google, OpenAI, Anthropic, or open-source
- Gather and prepare your training data strategically

## 2. EVALUATE

- Clean and organize data for optimal model performance
- Create robust test datasets to benchmark progress
- Assess model behavior and identify potential biases

## 3. IMPROVE

- Fine-tune models to match your specific use case
- Optimize for better performance and efficiency

-

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What you design vs. what you deploy. ☹️

Bot design meetings are like: „This will revolutionize the industry.,“

Bot Production team is like: „That's Good enough.,“

When your bot goes live, it, is a very minimum viable product. ☹️

What do you think?

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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- APA definition and overview
- Evolution of Digital Automation - RPA to APA
- Understanding AI Agents, Agentic Workflows
- How APA Works, Ä Using AI Agents for automation
- How does APA differ from RPA
- Benefits of APA
- Challenges and Solutions
- The Future of Digital Automation

<https://share.botnirvana.org/Z346>

24.49

51

UiPath just proved this with results that beat expectations:

• \$1.78B ARR (up 11% YoY)

• 2,500+ customers at \$100K+ ARR

• First GAAP-profitable quarter EVER

But here's what really matters...

Their APA strategy seems to be working:

- Start with installed base
- Add Agentic AI layer
- Expand wallet share

They still call it „Agentic automation,“ but it is APA as is its AI gents in existing RPA workflows.

This isn't about replacing automation. It's about amplifying it.

The market noticed. PATH jumped 20%+ post-earnings.



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üØ Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

Repost if this helped you see the shift ,ôÔè

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I asked ChatGPT to write a battle rap between them. It delivered! ~~Just~~

ChatGPT Prompt: "Write a battle rap between RPA and API"

Verse 1 (RPA):

I'm the robot with the power, RPA's the name

Streamlining processes, automating the game

I make the workplace easier, faster, and more efficient

Making humans look like they're stuck in a torrent

Verse 2 (API):

You may have the speed, RPA, but I've got the brains

Integrating systems, breaking down the chains

I'm the glue that holds the digital world together

Making sure data flows like a mild weather

Verse 3 (RPA):

I can automate tasks with ease, from A to Z

My cognitive abilities are setting new industry standards, can't you see?

I make businesses more profitable, what more could you ask for?

You might be smart, API, but I'm the real tour de force

Verse 4 (API):

You may have the skills, RPA, but I've got the security

Protecting data, ensuring privacy

Without me, all that automation is for naught

-

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Q Business Workflow Automation is a cloud-based platform that enables businesses to automate their repetitive tasks and workflows. It uses AI and machine learning to analyze and optimize processes, reducing manual intervention and increasing efficiency. The platform is designed to be user-friendly, allowing non-technical staff to create and manage workflows. It integrates with various business systems and applications, providing a seamless workflow across the organization. Q Business Workflow Automation is a powerful tool for businesses looking to streamline their operations and improve productivity.

It's called Q Business Workflow Automation and could be another disruption in the space.

Core Features:

- Upload SOPs or record workflows, system auto-generates automation
- Advanced AI agents create, edit & maintain workflows
- Natural language commands for quick edits
- Real-time UI adaptation to page changes
- Enterprise-wide deployment in clicks

What's interesting:

- Use of AI agents to create, edit & maintain workflows
- UI + API within these agent-built automation
- Comprehensive performance dashboard
- "Self-maintaining workflows"

I have just watched the video and this looks promising.  
Have to see what they deliver when it is available.

But coming from AWS, it is interesting.

3331

70.56

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Building AI agents that truly deliver requires mastering three fundamental capabilities:  
1. ACTION: An agent must do, not just think. It integrates with APIs, systems, databases, etc to act.  
2. REASONING: Step-by-step logical processing enables agents to tackle complex, multi-faceted problems effectively.  
3. MEMORY: Without memory, AI is a brilliant goldfish, capable but forgetful. Book's three-layered memory model changes the game.

The magic happens when these pillars unite. Action without reasoning? Chaos. Reasoning without memory? Repetition. Memory without action? Passivity.

I made a video on the best-selling book "Agentic Artificial Intelligence":

- 3 Pillars: Action, Reasoning & Memory
- 5 agent levels
- Real-world enterprise playbook
- Agent monetization strategies

And more...

-

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[illegible]

☐üéØ Here's exactly how I did it:

## ❓ Used Anthropic's Model Context Protocol (MCP)

## 🔗 Connected Claude AI to Puppeteer MCP server

Generated one detailed prompt with Claude

Let AI figure out the automation code

⌘ Watched it complete in milliseconds!

Warning: Traditional automation people might find this disturbing... ☹️

❓ Traditional RPA/BPM automation:

- Complex workflows & "low" code
- Rules-based programming

2403

51.18

49

Citizen developers building and running their first bot 🤖

Many give up after their first rodeo with "low code".

But things are going to change in a big way.

The new AI will make it much easier.

Join our deep dive session on Agentic Process Automation (APA):

<https://community.botnirvana.org/events/FC974F>

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🔗 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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[illegible]

Not because it's being eliminated.

Because it's being fundamentally transformed.

And here's why. ☹️

We are no longer in the Information Age.

We've crossed the threshold into something new: ρóβρμ≤  
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It's a distinct epoch that is as transformative as the shifts that came before it.

Let me show you what I mean:

[illegible]

Humans learned to cultivate food systematically. We settled, farmed, and created surplus. This freed people to develop crafts, trade, and early civilization.

200520062007 2008-2009201020112012

200820092010201120122013201420152016201720182019202020212022202320242025202620272028202920302031203220332034203520362037203820392040204120422043204420452046204720482049205020512052205320542055205620572058205920602061206220632064206520662067206820692070207120722073207420752076207720782079208020812082208320842085208620872088208920902091209220932094209520962097209820992100

200820092010201120122013201420152016201720182019202020212022202320242025202620272028202920302031203220332034203520362037203820392040204120422043204420452046204720482049205020512052205320542055205620572058205920602061206220632064206520662067206820692070207120722073207420752076207720782079208020812082208320842085208620872088208920902091209220932094209520962097209820992100

200820092010201120122013201420152016201720182019202020212022202320242025202620272028202920302031203220332034203520362037203820392040204120422043204420452046204720482049205020512052205320542055205620572058205920602061206220632064206520662067206820692070207120722073207420752076207720782079208020812082208320842085208620872088208920902091209220932094209520962097209820992100

200820092010201120122013201420152016201720182019202020212022202320242025202620272028202920302031203220332034203520362037203820392040204120422043204420452046204720482049205020512052205320542055205620572058205920602061206220632064206520662067206820692070207120722073207420752076207720782079208020812082208320842085208620872088208920902091209220932094209520962097209820992100

Most companies fail at AI because they automate broken processes w/o support structures or culture change.

Norway's sovereign wealth fund took a different approach:

200820092010201120122013201420152016201720182019202020212022202320242025202620272028202920302031203220332034203520362037203820392040204120422043204420452046204720482049205020512052205320542055205620572058205920602061206220632064206520662067206820692070207120722073207420752076207720782079208020812082208320842085208620872088208920902091209220932094209520962097209820992100

- CEO mandate: "No AI adoption = no promotion"
- Created urgency and accountability
- Made resistance impossible

200820092010201120122013201420152016201720182019202020212022202320242025202620272028202920302031203220332034203520362037203820392040204120422043204420452046204720482049205020512052205320542055205620572058205920602061206220632064206520662067206820692070207120722073207420752076207720782079208020812082208320842085208620872088208920902091209220932094209520962097209820992100

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- 40 AI Ambassadors across departments
- Dedicated enablement teams
- Heavy investment in training

200820092010201120122013201420152016201720182019202020212022202320242025202620272028202920302031203220332034203520362037203820392040204120422043204420452046204720482049205020512052205320542055205620572058205920602061206220632064206520662067206820692070207120722073207420752076207720782079208020812082208320842085208620872088208920902091209220932094209520962097209820992100

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- Didn't automate old workflows
- Asked: "What if we started fresh?"

1944

4.96

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• The Agent Builder is a powerful tool that allows you to create custom AI agents that can plan using AI models and carry out actions with tools, Memory & HITL. The Agent Builder is a powerful tool that allows you to create custom AI agents that can plan using AI models and carry out actions with tools, Memory & HITL. The Agent Builder is a powerful tool that allows you to create custom AI agents that can plan using AI models and carry out actions with tools, Memory & HITL.

We spent some time analyzing their Agentic play, here's what you need to know:

1) First up what the Agent Builder promises: (currently in private beta)

• **Agent Builder:** Create custom AI agents that can plan using AI models and carry out actions with tools, Memory & HITL.

• **Powerful Tool Integration:** Access to UiPath connectors, activities, automation, and even other agents.

• **Enterprise Context (RAG) & Memory:** Retrieval Augmented Generation via enterprise context docs and retaining memory for improved performance over time.

• **Human-in-the-Loop:** Built-in escalation capabilities ensure seamless human intervention when needed.

• **Evaluation & Monitoring:** Real-world scenario testing & scoring for reliable enterprise-grade performance.

• **API deployment options:** Deploy w/API and access AI agents from anywhere.



🎉 We've hit an incredible milestone!

We brought you:

🔗 Agentic process automation (APA)

🔗 Jobs in the Agentic era

🔗 Agentic Architecture

🔗 Agentic OCR

We're at the forefront of Agentic AI and want to share this journey with you!  
Thank you for being part of our community. 🙏

Have you ever wondered how agentic AI can transform your Apps & Tools?  
Check this latest viral post (100K+ views): <https://share.botnirvana.org/ix49>

Let's explore the possibilities together. Join us!  
<https://share.botnirvana.org/ix4A>

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🔗 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

1331

3.19

46

• People lead: Elevated to supervisors and decision-makers.  
People lead: Elevated to supervisors and decision-makers.  
People lead: Elevated to supervisors and decision-makers.

By embedding Agentic capabilities, we move beyond RPA to create a harmonious ecosystem where people, robots, and AI agents collaborate seamlessly.

Agents think: AI agents with cognitive abilities like learning and reasoning. Robots do: Execute rule-based tasks efficiently.

• People lead: Elevated to supervisors and decision-makers.

~ A symbiotic ecosystem: Interdependence of people, robots, and AI.

What do you think?

Source: <https://www.uipath.com/resources/automation-whitepapers/definitive-guide-to-agentic-automation>

1768

33.91

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The Agentic Process Automation (APA) landscape is evolving rapidly, and we're keeping a close eye on it.

Here's what we're seeing:

• Cloud Providers: Microsoft, IBM, Amazon, etc., are integrating AI agent capabilities into their cloud platforms.

• RPA Vendors: UiPath, Automation Anywhere, etc., are adding agentic capabilities to their RPA offerings.

• DPA/Low-code Vendors: Camunda, etc., are embedding AI agents into their process automation platforms.

• iPaaS Vendors: Mulesoft (Salesforce), Workato, etc., are enhancing their integration platforms with AI agents.

• AI-First Vendors: LangChain, Relevance AI, etc., provide frameworks for building and deploying AI agents.

• Innovative Players: Kognitos, Orby AI, etc., offer new approaches to AI-Agent powered automation.

• Traditional automation players (RPA, BPA, iPaaS) are converging with APA.

Check out our 80+ page report on APA (Link in comments)

2615

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Εξυπηρετεί τους πελάτες, τους συνεργάτες και τους υπαλλήλους.  
Εξυπηρετεί τους πελάτες, τους συνεργάτες και τους υπαλλήλους.  
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Εξυπηρετεί τους πελάτες, τους συνεργάτες και τους υπαλλήλους.

Here is how AI agents can revolutionize task delegation:

- Prioritizes tasks: Knows what's urgent
- Breaks down projects: Into actionable subtasks
- Delegates efficiently: To you, offshore teams, and US teams
- Tracks progress: Ensures every task is completed

Human + AI partnership: 100x your productivity

Clip from my latest interview. Check comments for a link to the video.

What do you think?

----

Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

-

-

They are mostly friends👉👈

RPA and API are secret besties.

RPA texts API at 2 AM for help👉👈

API pretends to be annoyed but always helps👉👈

What do you think?

2897

40.4

46

It uses specialized AI agents & people in a workflow to autonomously resolve tickets.

Here is how it works:

- Incident Creation: Business users submit support tickets via the IT portal.
- Workflow Trigger: The software incident support workflow is initiated to resolve.
- Incident Classification Agent: AI classifies the ticket and assigns it to the right agent.
- Incident Analysis Agent: Analyzes past articles, SOP's, etc for similar fixes and solutions.
- Solution Validation/Escalation: Agent validates solution w/KB else escalates to Human L3.
- Human-in-the-Loop: Humans validate and fully implement the resolution before finalizing.
- Resolution Completion & Update: The resolution agent updates the status in the system for users.
- Workflow Monitoring and Metrics: The system tracks interactions and reports metrics for improvements.

is your vendor choice based on outdated information? It, AOS time for a change!

In an AI-first world, static quadrants mislead you on what's possible next.

Gartner realizes this and now has an "Emerging market quadrant":

,è≥ Garner "aims" to update this new quadrant every 4 weeks

☞ This new quadrant plots vendors based on features and future potential.

☞ Vendors are required to submit information more frequently to stay relevant.

☞ They are starting with "generative AI" vendors. (which is almost everyone?)

In terms of AI & Automation vendors:

☞ Microsoft leads the quadrant, showcasing the most features and future potential.

☞ UiPath & AA follow behind and almost have the future potential of Microsoft.

☞ BPM players like Appian & Pega are "Emerging leaders" as well.

(Are they stronger in a converging world?)

☞ Keep an eye on emerging players like Glean, Writer, etc.

2679

49.53

45





RPA Program Playbook From US Federal Govt.

Comprehensive Digital Automation Resource.

A great resource for anyone implementing RPA.

Please, repost if you find it useful.

2238

50.18

44

Ευχαριστώ πολύ για την πρόσκληση. Είναι μια τιμή να είμαι εδώ μαζί σας σήμερα. Θα ήθελα να συζητήσουμε για το μέλλον της τεχνητής νοημοσύνης και το πώς μπορεί να βοηθήσει τον κόσμο. Η τεχνητή νοημοσύνη είναι μια εξαιρετική τεχνολογία που μπορεί να αλλάξει τον κόσμο. Είναι σημαντικό να την χρησιμοποιούμε με υπευθυνότητα και να την κάνουμε να σερβίρει τον άνθρωπο. Θα ήθελα να συζητήσουμε για το πώς μπορούμε να την χρησιμοποιήσουμε για να βελτιώσουμε τη ζωή μας. Είναι σημαντικό να την χρησιμοποιούμε με υπευθυνότητα και να την κάνουμε να σερβίρει τον άνθρωπο. Θα ήθελα να συζητήσουμε για το πώς μπορούμε να την χρησιμοποιήσουμε για να βελτιώσουμε τη ζωή μας.

And here's the beautiful irony:  
AI is giving us the ultimate gift. 🎁  
Time to remember what we actually want to do with our lives.

Think about it:  
,Üí We've optimized processes but neglected purpose  
,Üí We've solved for efficiency but lost touch with effectiveness  
,Üí We've mastered digital transformation but forgotten human transformation

The real disruption isn't the next AI model.  
It's remembering what makes us human.

Technology should serve life, not the other way around.

So, what would you do if AI handled everything else?

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🎁 Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

Repost if this helped you see the shift ,ôªÔΠè

TOON uses 154 characters versus JSON's 412 for the same data. Impressive on paper.

My feed has been full of posts claiming it's the next big thing for LLM token optimization.  
Yes, TOON uses 154 characters versus JSON's 412 for the same data. Impressive on paper.

But here's what nobody's talking about:

- Token savings are typically single-digit percentages
- CSV achieves comparable results for flat data
- You still need JSON for actual integrations
- Another syntax to learn, and debug
- Zero structured-output support

It's essentially a CSV with a line count.

Look, I'm all for optimization. But when you're building enterprise automation, you need:

- Readability (for your team to maintain)
- Validation and schema support
- Works with existing systems
- Measurable ROI

TOON delivers none of these while saving not many tokens.

The real optimization opportunities are elsewhere, not your data format.

4247

10.05

44

Προσπαθώντας να βρούμε δουλειά, είχαμε την τύχη να συναντήσουμε έναν άνθρωπο που εργαζόταν σε μια εταιρεία που προσέφερε δουλειά σε άτομα με αναπηρία. Ο άνθρωπος αυτός μας είπε ότι η δουλειά που προσέφερε ήταν πολύ ενδιαφέρουσα και ότι η εταιρεία είχε πολύ καλό κλίμα. Ωστόσο, η δουλειά που προσέφερε ήταν πολύ δύσκολη και απαιτούσε πολύ χρόνο και προσπάθεια. Είπαμε στον άνθρωπο αυτόν ότι είχαμε την τύχη να συναντήσουμε έναν τόσο καλό άνθρωπο και ότι είχαμε την τύχη να βρούμε δουλειά. Ο άνθρωπος αυτός μας είπε ότι η δουλειά που προσέφερε ήταν πολύ ενδιαφέρουσα και ότι η εταιρεία είχε πολύ καλό κλίμα. Ωστόσο, η δουλειά που προσέφερε ήταν πολύ δύσκολη και απαιτούσε πολύ χρόνο και προσπάθεια. Είπαμε στον άνθρωπο αυτόν ότι είχαμε την τύχη να συναντήσουμε έναν τόσο καλό άνθρωπο και ότι είχαμε την τύχη να βρούμε δουλειά.

👉 New CS grads are applying to THOUSANDS of jobs for just a few offers.

Why? AI tools are already automating entry-level coding: Cursor, Windsurf, Lovable, Replit, and dozens more.

Here's what the data shows:

- Computer engineering unemployment rate: 7.5%
- Entry-level positions are being automated first
- Middle management is also being targeted

The New York Times just covered this reality: Tech graduates are facing "tough times."

But here's the opportunity everyone's missing 🤖

👉 Η δουλειά που προσέφερε ήταν πολύ ενδιαφέρουσα και ότι η εταιρεία είχε πολύ καλό κλίμα. Ωστόσο, η δουλειά που προσέφερε ήταν πολύ δύσκολη και απαιτούσε πολύ χρόνο και προσπάθεια. Είπαμε στον άνθρωπο αυτόν ότι είχαμε την τύχη να συναντήσουμε έναν τόσο καλό άνθρωπο και ότι είχαμε την τύχη να βρούμε δουλειά. Ο άνθρωπος αυτός μας είπε ότι η δουλειά που προσέφερε ήταν πολύ ενδιαφέρουσα και ότι η εταιρεία είχε πολύ καλό κλίμα. Ωστόσο, η δουλειά που προσέφερε ήταν πολύ δύσκολη και απαιτούσε πολύ χρόνο και προσπάθεια. Είπαμε στον άνθρωπο αυτόν ότι είχαμε την τύχη να συναντήσουμε έναν τόσο καλό άνθρωπο και ότι είχαμε την τύχη να βρούμε δουλειά.

Not just software. EVERY business needs AI now.

The real opportunity? Pick YOUR industry:

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 2u0J2u0A2u0dÄ2u0dÅ2u0s2u002u0d2u0a2u0¥ 2u0í2u0ó 2u0A2u0¥2u0s2u0a2u0dÄ  
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However, getting controlled agents is difficult unless you have them embedded in your workflows.

The best way to include agents in your workflows is to follow these five patterns shared by Anthropic2üé2üè<sup>a</sup>

,úçÔ[]è Prompt Chaining: Sequential steps. E.g. Content creation.

2üû Routing: Direct to experts. E.g. Customer service.

2üí° Parallelization: Concurrent tasks. E.g. Financial analysis.

2üšù Orchestrator-Workers: Delegate and combine,ÄE.g. Project management.

2üé® Evaluator-Optimizer: Refine outputs. E.g. Product design.

Why do we need Controlled AI Agents?

,úÖ Reliable Outcomes: Predictable decision-making.

2üîç Error Tracking: Identify and address errors quickly.

2üí∞ Cost Efficiency: Minimize expenses and maximize ROI.

Εύχαριστείς πολύ για την προσφορά σου. Είμαι πολύ χαρούμενος που μπορώ να σε βοηθήσω. Ελπίζω να σου αρέσει η βοήθεια που σου παρέχω. Αν έχεις οποιαδήποτε ερώτηση, μην διστάσεις να μου γράψεις. Είμαι εδώ για να σε βοηθήσω. Καλή συνέχεια!

In my latest video, I walk you through building your very first AI agent team ,Ài no coding needed!

In this clip attached, you,Àôll see a sneak peek of how this multi-agent system works: a Manager Agent receives an email request, delegates the task to a sub-agent, gathers person info from LinkedIn, and sends the formatted details back to the sales rep.

Pretty cool, right? Æüòé

Here,Àô what you,Àôll learn in the full video on YouTube:

,úÖ How to create a Sales Information Agent team using Relevance AI (a no-code platform!)

,úÖ A 4-step approach to design and implement a multi-agent system:

- Identify the right opportunities for AI agents
- Define rules and capabilities for each agent
- Map out their workflow
- Implement using Relevance AI

,úÖ How the Manager Agent and Sub-Agents collaborate to automate sales research ,Ài saving hours of manual work!

Head over to the full video on YouTube to watch the step-by-step process of creating this agent

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Βασικός στόχος: Αποδοχή του νέου εργαλείου: οι νέοι εργαζόμενοι να μην φοβούνται το νέο εργαλείο  
Ο βασικός στόχος είναι, να έχουμε τον ίδιο αριθμό εργαζομένων που είναι έμπειροι στο εργαλείο  
Από την εμπειρία των προηγούμενων στόχων, μπορούμε να πούμε ότι "ο στόχος είναι να έχουμε τον ίδιο αριθμό εργαζομένων  
Ο βασικός στόχος είναι να έχουμε τον ίδιο αριθμό εργαζομένων.

We arranged an RPA training which cost us around 5k per participant.

And then, we realized that the use cases are great, and the optics are awesome, but...

The reality behind "easy" RPA bot implementation:

- Needs hours of intensive training
- Requires actual development skills past drag-and-drop
- Complex use cases need intricate bot-building experience

10+ years later, honestly it's still not truly "easy" for non-developers

Don't fall for the "anyone can do it" hype. Effective automation needs skilled professionals.

What do you think?	1776	32.86	42
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The Agentic Process Automation (APA) landscape is evolving rapidly, and we're keeping a close eye on it.

Here's what we're seeing:

• Cloud Providers: Microsoft, IBM, Amazon, etc., are integrating AI agent capabilities into their cloud platforms.

• RPA Vendors: UiPath, Automation Anywhere, etc., are adding agentic capabilities to their RPA offerings.

• DPA/Low-code Vendors: Camunda, etc., are embedding AI agents into their process automation platforms.

• iPaaS Vendors: Mulesoft (Salesforce), Workato, etc., are enhancing their integration platforms with AI agents.

• AI-First Vendors: LangChain, Relevance AI, etc., provide frameworks for building and deploying AI agents.

• Innovative Players: Kognitos, Orby AI, etc., offer new approaches to AI-Agent powered automation.

• Traditional automation players (RPA, BPA, iPaaS) are converging with APA.

Check out our 80+ page report on APA ([Link in comments](#))



Microsoft now has powerful RPA/APA/Agentic Automation options.  
Here,Â’s the breakdown:  
1. Copilot Studio,Â’s new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

2. UiPath + Microsoft Integration:

The bidirectional integration between UiPath Studio and Copilot Studio enables developers to orchestrate automations across both platforms.

- Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.
- User-Friendly: Natural language tasks, no coding, full visibility.
- Use Cases: Automates data entry, research, and more.

While your company is still determining which AI tool to pilot...  
 Walmart just deployed four "super agents" who run its entire operations!  
 Sparky  
 Helps customers find products, gives recommendations, and will enable seamless shopping and reordering experiences.  
 Associate  
 Assists employees with HR tasks, scheduling, and immediate sales data ,Ä streamlining store operations.  
 Marty  
 Supports suppliers, sellers, and advertisers with onboarding, order management, and campaign setup.  
 Developer  
 Accelerates building, testing, and launching new innovations and AI tools across Walmart,Äs platforms.

Everyone's talking about "AI replacing RPA." The best automation leaders? They're doing it differently ...

I just wrapped a deep conversation with Lasse Rindom on The Only Constant podcast. He asked some deep questions on AI & automation. My answers surprised even me.

7 mindset shifts I shared that resonated most:

1/ Stop the false choice. It's not AI or RPA. It's AI AND API AND RPA. Successful leaders orchestrate, not replace.

2/ Governance isn't sexy, but it's survival. The semantic layer is a new security risk. Build it before scaling GenAI, not after.

3/ People > Technology. Every. Single. Time. Change management is the difference between adoption and resistance.

4/ Segment your investments. Apply mature tech (RPA/ML). Pilot emerging tech (GenAI). Prepare for future tech (Agentic AI).

5/ Control vs. Trust. You need both. Finding that balance is the new leadership skill.

6/ Agents are coming. They'll orchestrate tasks dynamically. Your processes won't be just human-defined anymore.

The thread running through all of this?

Unlearning.

- Unlearning that we can control everything.
- Unlearning that "automation" means eliminating jobs
- Unlearning that strategy is about choosing one tool over another.

1882

4.46

42

From rule-based robots to intelligent agents that plan & act.  
 Here's how we got here

From rule-based robots to intelligent agents that plan & act.

Here's how we got here

5 years ago:

- RPA was king
- Basic process automation
- Simple, rule-based tasks
- Repetitive work only

3 years ago:

- Intelligent Automation emerged
- Pattern recognition w/ML
- Advanced OCR, analytics
- Complex process handling

Today: AI Agents are taking over...

- Autonomous decision making
- Self-learning capabilities
- Predictive intelligence
- Augmenting roles

Zero companies want to create them.  
See the problem?

Zero companies want to create them.

See the problem?

I came across this photo recently, and it hit me - we're literally expecting people to start their careers with decades of experience.

Where exactly do you think those senior people will come from in 5 years?

Where exactly do you think those senior people will come from in 5 years?

By refusing to invest in entry-level talent TODAY, we're guaranteeing we'll have NO senior talent TOMORROW.

By refusing to invest in entry-level talent TODAY, we're guaranteeing we'll have NO senior talent TOMORROW.

The pipeline doesn't fill itself:

Entry-level talent , Junior engineers , Mid-level specialists , Senior experts , Leaders

Skip the first step? The whole chain breaks.

Senior talent doesn't appear magically. You have to grow it.

• The DeepSeek R1 (model built by this guy's team) is now:  
- #1 on the app store  
- 96% cheaper than competition  
- 97% successful with coding tasks

And so, we are seeing a meltdown:

- #1 on the app store
- 96% cheaper than competition
- 97% successful with coding tasks

And so, we are seeing a meltdown:

• The NVIDIA Chips are truly down (pun intended).

• Meta is scrambling to reverse-engineer the phenomenon.

• Masayoshi Son is rethinking his \$10 billion investment. (Forget \$500B)

But questions remain:

• Why was this released on Trump's inauguration day, a coincidence or take that?

• US AI Executives earn more than the training costs of this model...really?

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Parallel processing: Multiple agents work simultaneously on different parts of a task.  
 Strengths: Boosts efficiency through parallel processing.  
 Challenges: Coordination can get tricky with overlapping efforts.  
 Use Case: Think real-time data analysis across multiple sources.

Design and build robust Multi-agent systems with these:

Sequential processing: Tasks flow linearly, with one agent's output feeding into the next.

Multiple agents work simultaneously on different parts of a task.

- Strengths: Boosts efficiency through parallel processing.
- Challenges: Coordination can get tricky with overlapping efforts.
- Use Case: Think real-time data analysis across multiple sources.

Sequential processing: Tasks flow linearly, with one agent's output feeding into the next.

Tasks flow linearly, with one agent's output feeding into the next.

- Strengths: Simple and structured, perfect for multi-step workflows.
- Challenges: Bottlenecks if one agent lags.
- Use Case: Multi-step approvals or phased content generation.

Iterative processing: Agents iterate in cycles, refining outputs based on feedback.

Agents iterate in cycles, refining outputs based on feedback.

-

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This reference architecture provides a blueprint from user interfaces to performance monitoring:  
 - Seamless user & app interaction with multi-agent system.  
 - Robust interfaces mitigate errors while guiding the agents.  
 - Enables Controlled and Predictable agent interactions  
 - Adds Human oversight to ensure risk management  
 - Create, manage, and deploy role-specific agents  
 - Industrializes the creation of agents with LLMs and:  
 - Tools like search engines, financial analysis, code interpreters  
 - Data Sources like customer records, market data, incident history  
 - Memory including short & long-term memory for seamless task execution  
 - Continuous performance monitoring via operational, qualitative, and thought metrics

This reference architecture provides a blueprint from user interfaces to performance monitoring:

#### Interaction Layer:

- Seamless user & app interaction with multi-agent system.
- Robust interfaces mitigate errors while guiding the agents.

#### Workflow Layer:

- Enables Controlled and Predictable agent interactions
- Adds Human oversight to ensure risk management

#### Agents Layer:

- Create, manage, and deploy role-specific agents
- Industrializes the creation of agents with LLMs and:
  - Tools like search engines, financial analysis, code interpreters
  - Data Sources like customer records, market data, incident history
  - Memory including short & long-term memory for seamless task execution

#### Agent Operations Layer:

- Continuous performance monitoring via operational, qualitative, and thought metrics

What do you think?

1549

3.66

41



The RPA ecosystem is built around one thing:  
 The ability to interact with the UI of applications.  
 The RPA tools are wrappers around one thing:  
 The ability to interact with the UI of applications.

All major RPA tools are wrappers around one thing:

The ability to interact with the UI of applications.  
 The RPA tools are wrappers around one thing:  
 The ability to interact with the UI of applications.

Here's how RPA tools typically use UIA:

,Ä RPA tools use UIA to navigate through UI element hierarchies and detect specific elements reliably.  
 ,Ä RPA bots read element attributes like name, type, and ID to identify and interact with UI elements.  
 ,Ä Once detected, RPA uses control patterns like click, scroll, or text input to automate element interactions.

Sounds great, right? But here's the kicker:

If UIA fails, your RPA ecosystem is in danger. ❗

But don't panic just yet. There's a way out for your automation.

OpenAI's ChatGPT which uses GPT 4 / 3.5 is just one of the LLMs.

Here is the emerging LLM landscape:

#### 1. OpenAI

Models: GPT-4o, 4o mini, o1 mini, o1 high

Strengths: Advanced conversational dialogue, multi-step reasoning, efficient computation, and real-time interactions.

Weaknesses: Proprietary, requires a commercial license or subscription.

#### 2. Anthropic

Model: Claude 3.5

Strengths: Strong contextual understanding, human-like interactions, robust coding capabilities.

Weaknesses: Credit-based subscription service, potentially higher enterprise costs.

#### 3. Google

Models: Gemini 2.0

Strengths: Large context windows, improved speed, reasoning, multimodal processing.

Weaknesses: Closed-source, potential data privacy concerns.

#### 4. DeepSeek

Models: DeepSeek-R1 (open-source)

Strengths: Cost-efficient, fast processing speed, superior performance in complex tasks, enterprise data integration capabilities.

Weaknesses: Lesser-known compared to other open-source alternatives.

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Ποσοστά επιτυχίας των AI πιλότων: 5% - 10%

Ποσοστά αποτυχίας των AI πιλότων: 90% - 95%

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Here's the stark reality...

After reviewing over 300 projects, 52 executive interviews, and 153 surveys, MIT identified a GenAI Divide:

• Only 5% of AI pilots extract millions in value.

• The majority remain stuck with no measurable P&L impact

Key Insights:

Enterprise Paradox: Big firms lead in pilot volume but lag in scale-up.

Investment Bias: Budgets favor visible, top-line functions over high-ROI back office.

Implementation Advantage: External partnerships succeed twice as often as internal builds.

Here's how the successful 5% do it:

Avoid the Enterprise Paradox: Scale successful pilots instead of running many.

Recognize Investment Bias: Shift budgets to high-ROI back-office functions.

Leverage Implementation Advantage: Partner externally for twice the success rate.

GenAI systems often fail due to a lack of learning and adaptation.

1310

3.42

40

The Agentic Process Automation (APA) landscape is evolving rapidly, and we're keeping a close eye on it.

Here's what we're seeing:

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• AI-First Vendors: LangChain, Relevance AI, etc., provide frameworks for building and deploying AI agents.

• Traditional automation players (RPA, BPA, iPaaS) are converging with APA.

Are we missing any tools? Are you an APA player or know of any that's not mentioned, let's know in the comment below.

Model collapse is imminent:  
• Bad data goes in  
• Amplified bad data comes out  
• That o/p becomes training data for the next  
• The cycle continues, getting worse each time

The solution? Start w/data responsibility

Your AI is only as good as what you feed it.

Remember:

The companies winning at AI aren't collecting the most data.

They're collecting the RIGHT data.

What do you think?

Image credit: Ralph Aboujaoude Diaz

1985

29.28

40

Multi-agent systems (A2A) and Multi-agent systems (MCP) are essential building blocks in modern AI Agent ecosystems, but they solve different problems:

üç A2A vs. MCP: Where should we place our bets?

A2A: The multi-agent future's champion.

MCP: The AI agent tool's first mover.

Both A2A and MCP are essential building blocks in modern AI Agent ecosystems, but they solve different problems:

ü Architecture

A2A = Distributed, agent-to-agent over the web

ü Think, ü agents working independently, talking securely over HTTP. ü

MCP = Client-server via structured transports

ü Think, ü an agent calling a tool to get something done. ü

ü Discovery

A2A = Agents self-describe via Agent Cards (JSON)

ü Dynamic discovery of agent skills.

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Here's what most AI & Automation leaders get wrong about LLMs:

They're building their entire AI infrastructure around ONE or TWO models.

The reality? There is no single "best LLM." The top models swap positions every few months, and each has unique strengths and costly blindspots.

I analyzed the 6 frontier models driving enterprise AI today. Here's what I found:

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,úi Superior reasoning and multimodality

,úi Excels at agentic workflows

,úó Not useful for writing tasks

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,úi Most reliable all-around

,úi Mature ecosystem

,úó A lot prompt-dependent

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,úi Industry leader in coding & debugging

,úi Enterprise-grade safety

2688

6.36

39





Automation 101

Here's your checklist in the order of priority:

- ☐ Eliminate
- ☐ Optimize
- ☐ Standardize

☐ Then Automate

What do you think?

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Repost if this helped you see the shift ,ôªÔ	1220	16.33	39
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ByteDance just cracked the code with VoRA (Vision as LoRA), turning any Large Language Model into a Vision model with just fine-tuning.

Here's what's groundbreaking about VoRA:

- ❖ No Extra Complexity: Ditches the vision encoder and connector & uses pure Low-Rank Adaptation (LoRA).
- ❖ Efficient Integration: Vision understanding is injected directly into the LLM, merging LoRA layers post-training.
- ❖ Stability & Preservation: Only LoRA + visual embeddings are trained, keeping the base LLM frozen and stable.
- ❖ Native Resolution for Images: No resizing tricks, leveraging LLM's token handling for clarity.

How VoRA can change document processing:

- Lightweight OCR: VoRA's LoRA layers enable fast, scalable document text extraction.
- Native Resolution: Processes any document size, no resizing, ideal for diverse formats.

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RPA is a technology that automates repetitive tasks that are rule-based and structured. It is designed to mimic human actions and is typically used for tasks that are repetitive and rule-based. RPA is a technology that automates repetitive tasks that are rule-based and structured. It is designed to mimic human actions and is typically used for tasks that are repetitive and rule-based.

RPA vs APA as per UiPath. What is the difference?

They have the concept of the Left Brain vs the Right Brain.

RPA is the Left Brain, which is structured, logical, and systematic. It is designed to handle repetitive tasks that are rule-based and structured. RPA is the Left Brain, which is structured, logical, and systematic. It is designed to handle repetitive tasks that are rule-based and structured.

- Structured, logical, and systematic- so ideal for handling repetitive tasks
- Human Involvement: 100% People created and maintained.
- Task Type: Routine, low-value tasks.
- Attributes: Super reliable, consumes low energy.

APA is the Right Brain, which is unstructured, intuitive, and creative. It is designed to handle tasks that are unstructured, intuitive, and creative. APA is the Right Brain, which is unstructured, intuitive, and creative. It is designed to handle tasks that are unstructured, intuitive, and creative.

- Capability to recognize patterns, adapt, and make sense of ambiguous information
- Human and Agent Involvement w/increasing Agent automation
- Task Type: Increasing intelligence with decision-making.
- Attributes: The more cognitive, the more power required.

So, RPA does "low value" tasks while APA designs & creates the workflows.

What is your take?

1503

32.5

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What does Hyperautomation mean?

Is it technology, process, mindset, or a revolution?

Gartner shared it as part of its Top Strategic Tech Trends for 2020.

As per Gartner:

„Hyperautomation combines multiple machine learning (ML), packaged software, and automation tools to deliver work."

"Hyperautomation refers not only to the breadth of the pallet of tools but also to all the steps of automation itself,"

Simply put, Hyperautomation combines various technologies & processes to deliver work rapidly.

How confusing can it be? 🤔

Is the term dead now?

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However, getting controlled agents is difficult unless you have them embedded in your workflows.

The best way to include agents in your workflows is to follow these five patterns shared by Anthropic<sup>a</sup>

,úçÔ[]è Prompt Chaining: Sequential steps. E.g. Content creation.

2u0ûû Routing: Direct to experts. E.g. Customer service.

2u0í° Parallelization: Concurrent tasks. E.g. Financial analysis.

2u0sù Orchestrator-Workers: Delegate and combine,ÄE.g. Project management.

2u0é® Evaluator-Optimizer: Refine outputs. E.g. Product design.

Why do we need Controlled AI Agents?

,úÖ Reliable Outcomes: Predictable decision-making.

2u0îç Error Tracking: Identify and address errors quickly.

2u0í∞ Cost Efficiency: Minimize expenses and maximize ROI.

1474

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But it just might outshine AI agents in Enterprises.

### Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So enterprise use is currently limited.

### Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

### What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

Market is evolving fast, tools & tech are changing.

It uses specialized AI agents & people in a workflow to autonomously resolve tickets.

Here is how it works:

• Incident Creation: Business users submit support tickets via the IT portal.

• Workflow Trigger: The software incident support workflow is initiated to resolve.

• Incident Classification Agent: AI classifies the ticket and assigns it to the right agent.

• Incident Analysis Agent: Analyzes past articles, SOP's, etc for similar fixes and solutions.

• Solution Validation/Escalation: Agent validates solution w/KB else escalates to Human L3.

• Human-in-the-Loop: Humans validate and fully implement the resolution before finalizing.

• Resolution Completion & Update: The resolution agent updates the status in the system for users.

• Workflow Monitoring and Metrics: The system tracks interactions and reports metrics for improvements.



What does Gemini 2.0 mean for RAG? Gemini 2.0 means a new era of RAG. Gemini 2.0 is a new model that can handle a much larger context window than previous models. This means that Gemini 2.0 can process a much larger amount of information at once, which is a significant improvement for RAG. Gemini 2.0 also has a new search engine that can find relevant information much faster than previous models. This means that Gemini 2.0 can provide more accurate and relevant answers to your questions. Gemini 2.0 is a game-changer for RAG. It's the end of the world for RAG as we know it. It's the beginning of a new era of RAG. Gemini 2.0 is the future of RAG.

Google's Gemini 2.0 is shaking things up with its revolutionary context window.

- No more: Chunking, embedding, Vector DBs, and hybrid search.
- Simple, scalable, and affordable w/ 2 Million context window.

,ðŒŒè But is it the end for RAG? Unlikely, Here is why:

- Context length only reduces the RAG need for some use cases.
- RAG's value is in searching & providing specific context from lots of data.
- Context has its limits: As context gets longer LLM does not consider everything.

RAG has been "dead" for a year now (on social media) ðŒž

What do you think?

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Are AI Agents another "Intelligent Automation"? 🤖

First came the LLMs (ChatGPT, Claude, Gemini)

Then came "AI RPA" (Computer Use, Project Mariner)

Now we're seeing LLM turning into API (Anthropic MCP) ...

So, yes they are coming for Digital Automation.

But AI Agents are different...

👉 Here's why:

• They "Plan" - break down tasks into logical steps

• They coordinate multiple systems simultaneously

• They learn from feedback and adapt responses

• They understand natural language instructions

• They intelligently invoke tools & act

AI Agents aren't just automation tools...

They're intelligent partners that grow and adapt with you.

1229

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36

The two approaches are reshaping Agentic AI-led automation.  
 Each has strengths and challenges, let's explore:  
 1. Unified Control: Central hub optimizes workflows.  
 2. Real-Time Insights: Dashboards highlight efficiency bottlenecks.  
 3. Human Integration: Directs exceptions to humans.  
 4. Production-Ready: Enterprise-grade stability.

Two approaches are reshaping Agentic AI-led automation.

Each has strengths and challenges, let's explore:.

1. Unified Control (e.g., UiPath Maestro):

- Unified Control: Central hub optimizes workflows.
- Real-Time Insights: Dashboards highlight efficiency bottlenecks.
- Human Integration: Directs exceptions to humans.
- Production-Ready: Enterprise-grade stability.

2. Decentralized Design (Google):

- Peer-to-Peer Power: Agents collaborate cross-platform.
- Decentralized Design: No central hub for coordination.
- Dynamic Flexibility: Real-time task adaptation.
- Interoperable Ecosystem: Multi-vendor networks.

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It doesn't have to be that way. Avoid these automation pitfalls:

❌ Unrealistic timelines.

✅ Instead: Plan for phased implementation over months, not weeks

❌ Overambitious goals.

✅ Instead: Set realistic ROI, incremental targets that compound over time

❌ Perfectionism paralysis (especially in doc processing)

✅ Instead of 100% accuracy upfront, think iterative & continuous improvement

❌ Technology/Tools overload.

✅ Instead: Start with high-impact, low-complexity processes and scale gradually

❌ Chasing vanity metrics.

✅ Instead: Focus on tangible business outcomes and continuous value tracking.

Let's STOP sabotaging your automation projects! 🛑

Remember: Successful automation is a marathon, not a sprint.

Patience, strategy, and realistic expectations are your best allies in this journey.

What do you think?

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Εύρηκα! Η αυτοματισμένη εργασία με τη βοήθεια της τεχνητής νοημοσύνης, αποτελεί  
έναν από τους πιο σημαντικούς παράγοντες για την ανάπτυξη της εταιρείας. Η  
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Είτε Marketing buzzwords scream "agentic"

Reality? Products remain RPA-first with AI agents as an afterthought.

Here are a few examples:

• "Auto-pilot" = Add more RPA to your workflows with a Gen AI assistant  
• "Agentic orchestration" = Connecting AI agents to the same RPA & human workflows  
• "Agentic Automation" = Adding AI agents that still operate within traditional RPA  
constraints

Are we truly moving toward autonomous, agentic systems, or just repackaging the past?  
Σίγουρα, όχι.

Can we break free from the baggage and build the future of automation together?

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Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

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IBM's report uncovers the urgent need for change in finance.  
(also applicable to other businesses)

Real-time governance is crucial.

Misalignment causes drift and deception.

Enforce strict reset and audit policies.

Prevent bias and data misuse.

Ευχαριστούμε όλους τους συμμετέχοντες στην εκδήλωση. Η BotCity AI & Automation Summit είναι μια πρωτοβουλία που στοχεύει στην εξυπηρέτηση των επιχειρήσεων με την παροχή λύσεων που βασίζονται στην τεχνητή νοημοσύνη. Η BotCity AI & Automation Summit είναι μια πρωτοβουλία που στοχεύει στην εξυπηρέτηση των επιχειρήσεων με την παροχή λύσεων που βασίζονται στην τεχνητή νοημοσύνη.

~80% of the world's data is stored in unstructured formats. 🤖

We're solving this massive challenge with AI agents! 🚀

See it in action in our demo tomorrow! (Link in comments)

Here's what our AI agent team delivers:

- Auto-extracts data from any format (PDF, email, scanned)
- Validates and maps to your Systems (eg, ERPs)
- Learns from all human decisions to get smarter
- Provides live tracking of every doc status

The results?

60-80% reduction in processing time, 95-100% accuracy, and zero backlogs.

Meet the dream team:

- Extractor Agent: Handles unstructured data extraction.
- Validator Agent: Applies business rules and mappings.
- Reviewer Agent: Provides analysis and recommendations.
- Application Agent: Enters data directly into your systems.

Looking forward to the BotCity AI & Automation Summit!

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Ready to share and learn alongside some amazing innovators in AI & Automation.

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If you're in automation and AI, you've likely come across Agentic Process Automation (APA) and AI Agents.

But are you clear on how they differ? Many people get confused.

So let's break it down with three critical differences! ☺

## 10 How They Work

APA combines API, RPA (Robotic Process Automation), and AI agents within workflows to achieve seamless automation. On the other hand, AI agents often leverage protocols like MCP (more advanced than API) to access databases, files, and apps. Instead of traditional RPA, AI agents use computer use, a form of AI-driven RPA that skips RPA libraries entirely.

## 2025 Workflows vs. Autonomy

APA is all about controlled agents in workflows, making it structured and predictable. Meanwhile, AI agents construct their workflows and are largely autonomous, giving them more flexibility but less control.



🔗 Paper that introduced Agentic Process Automation (APA)

Key insights:

- APA integrates LLMs into process automation for enhanced workflow construction and execution.
- Utilizes LLM-based agents to dynamically construct and execute workflows.
- Overcomes traditional RPA limitations by handling complex, adaptable tasks.
- Reduces human intervention, reallocating resources to strategic tasks.
- APA offers adaptable, intelligent automation solutions.

What do you think?

1218

22.77

35

90% of companies "do AI" and fail.  
10% become AI-first and win.

Here's why ☹️

How most organizations "do AI":

- ☹️ Start with "We need AI"
- ☹️ Hire expensive consultants
- ☹️ Run endless innovation workshops
- ☹️ Create too many reports
- ☹️ Deliver beautiful PowerPoints
- ☹️ Hope for ROI

How AI-first winners do it:

- ☺️ Start with "Where's my 200% ROI?"
- ☺️ Map business pain points first
- ☺️ Calculate the potential impact
- ☺️ Focus on 5-10 high-impact opportunities at a time
- ☺️ Measure actual value
- ☺️ Drive positive ROI

The difference?

AI-first companies see AI as a value driver, not a shiny tool.

What do you think?

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Ευχαριστούμε πολύ για την παρουσίαση και την ευκαιρία να μιλήσουμε για το θέμα αυτό. Ημερομηνία: 15/05/2023. Το θέμα της παρουσίασης είναι η εξέλιξη του ρόλου του μηχανικού λογισμικού στην εταιρεία μας. Ημερομηνία: 15/05/2023. Το θέμα της παρουσίασης είναι η εξέλιξη του ρόλου του μηχανικού λογισμικού στην εταιρεία μας.

Meet the Forward Deployed Engineer - a role that's quietly revolutionizing how we think about engineering careers.

Here's the brutal truth about traditional SWE roles:

- ,ùå Build features in isolation for months
- ,ùå Ship to production and hope users adopt
- ,ùå Watch 80+% of projects fail at implementation

Here's what happens when engineers become FDEs:

- ,úÖ Embed with actual customers (not just internal managers)
- ,úÖ Ship weekly, iterate daily based on real feedback
- ,úÖ See direct impact on business outcomes
- ,úÖ Build solutions users need

The FDE career playbook that's breaking the internet:

- ,Üí Work with real users
- ,Üí Travel 25-50% to customer sites
- ,Üí Contribute to core product development
- ,Üí Own end-to-end customer success

Why this matters for YOUR career RIGHT NOW:

1110

2.86

35

I asked ChatGPT to write a battle rap between RPA & AI Agents.

It delivered! 🏆💰

🏆•🏆🏆🏆:

Yo, it,Ãs R-P-A, the OG automation king,  
Been ruling the workflows, hear the praises they sing.  
Clicking buttons, shifting data, I,Ãm the MVP,  
From the desktop to the cloud, I set people free.

You,Ãre just some AI Agents, still wet behind the ears,  
Talking GPT this, but I,Ãve been running for years.  
Structured, rule-based,Ãl,Ãm the industry,Ãs boss,  
While your fancy algorithms are still taking a loss.

🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆🏆:

Hold up, RPA, you,Ãre stuck in the past,  
Manual scripting? Please, that,Ãll never last.  
We,Ãre dynamic, adaptive, learning on the fly,  
While you crumble when the UI changes overnight.

We chat, we strategize, multi-task with flair,  
We,Ãre the future of automation,Ãyou don,Ãt compare.  
No rules, no limits, just pure evolution,  
While you loop through the steps, we,Ãre solving solutions.

4096

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But it just might outshine AI agents in Enterprises.

### Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So enterprise use is currently limited.

### Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

### What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

The market is evolving fast, tools & tech are changing.



1. Accuracy Issues - The Current automation tool was missing entire line items  
 2. 48 different channels, 30+ different formats - POs from 30+ retail partners  
 3. Zero security controls - Vendor POs that were images uploaded to online converters  
 4. Manual ERP mapping - Every extracted field needed manual mapping to company codes  
 5. No end-to-end automation - Fragmented and incomplete automation

"Our team uploads sensitive docs (Invoices, POs) to free online OCR tools and uses that data to update systems!"

But that's just the tip of the iceberg. Here are the 5 critical problems they were facing:

1. Accuracy Issues - The Current automation tool was missing entire line items
2. 48 different channels, 30+ different formats - POs from 30+ retail partners
3. Zero security controls - Vendor POs that were images uploaded to online converters
4. Manual ERP mapping - Every extracted field needed manual mapping to company codes
5. No end-to-end automation - Fragmented and incomplete automation

Sound familiar? Here's our solution for this problem

Meet Agentic OCR - AI agents that don't just read documents, they understand your business AND keep your data secure.

The broken way: Broken Extraction methods, Manual cleanup, Format mapping, ERP entry, Hope for accuracy

The Agentic way: Secure processing, Improved accuracy, Auto-format recognition, Direct ERP integration, Alert notification

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59 out of 100 workers need reskilling by 2030 (WEF Future of Jobs 2025 report)

Here's the good & bad news:

### The Good:

„Üí 170 million NEW roles created

Net gain: 78 million jobs

### The Bad:

,Üí 92 million jobs displaced

• Skills gap cited by 63% of employers as the main barrier

But here's the real kicker...

41% of companies plan layoffs, while 77% plan to upskill.

Translation: They'll invest in some people, not everyone.

The evolving skills are both Strategic and Technical as per WEF.

This aligns with the evolving roles we are seeing on the ground.

Here are some of them:

1. AI becomes your strategic co-pilot, proactively pursuing business objectives 24/7. A Virtual workforce handling everything from customer service to complex projects  
 2. AI's interpretation aligns with human intentions, balancing AI autonomy with necessary oversight, maintaining ethical boundaries  
 3. Reconciling conflicting global AI regulations, keeping governance frameworks agile, measuring effectiveness across diverse use cases

Here are Gartner's top 3 trends for AI:

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Are AI Agents another "Intelligent Automation"? 🤖

First came the LLMs (ChatGPT, Claude, Gemini)

Then came "AI RPA" ( (Computer Use, Project Mariner)

Now we're seeing LLM turning into API (Anthropic MCP) ...

So, yes they are coming for Digital Automation.

But AI Agents are different...

👉 Here's why:

• They "Plan" - break down tasks into logical steps

• They coordinate multiple systems simultaneously

• They learn from feedback and adapt responses

• They understand natural language instructions

• They intelligently invoke tools & act

AI Agents aren't just automation tools...

They're intelligent partners that grow and adapt with you.

Full agent orchestration. Out of the box.  
This is MASSIVE.  
So, people have been asking me: "Is RPA dead?"  
I spent the weekend diving deep into this.

AgentKit = AI-first easy-to-use conversational automation  
RPA = Process-first enterprise automation

Quick prototyping for LLM-first automation  
Conversational AI agents with minimal setup  
Workflows entirely within the OpenAI ecosystem  
Polished chat interfaces and website widgets (ChatKit)  
LLM-powered workflows without infrastructure headaches

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Based on the readiness criteria from our APA report, it's not about having the latest APA tools.

It's about being brutally honest about these 4 fundamentals:

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Here's the uncomfortable truth: Most companies jump into automation without a clear north star.

Before you begin APA transformation, ask yourself:

- Do we have a clear vision for how APA supports our strategic goals?
- Are our executives committed to championing organizational change?
- Have we allocated sufficient resources for APA implementation?

I've walked into companies with 5 different automation initiatives running in silos. They wanted "digital transformation."

I had to break it to them - without a unified leadership vision, you get fragmented results that never scale.

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UIA is a Windows API that allows applications to interact with the UI of other applications. It is a low-level API that provides a set of methods for interacting with UI elements. RPA tools use UIA to interact with the UI of applications. They use UIA to find UI elements, click on them, type text, and so on. This is how RPA tools interact with the UI of applications.

All major RPA tools are wrappers around one thing:

UIA. RPA tools use UIA to interact with the UI of applications. They use UIA to find UI elements, click on them, type text, and so on. This is how RPA tools interact with the UI of applications.

Here's how RPA tools typically use UIA:

- RPA tools use UIA to navigate through UI element hierarchies and detect specific elements reliably.
- RPA bots read element attributes like name, type, and ID to identify and interact with UI elements.
- Once detected, RPA uses control patterns like click, scroll, or text input to automate element interactions.

Sounds great, right? But here's the kicker:

If UIA fails, your RPA ecosystem is in danger. ❌

There's a way out for your automation.

From rule-based robots to intelligent agents that plan & act.  
 Here's how we got here

From rule-based robots to intelligent agents that plan & act.

Here's how we got here

5 years ago:

- RPA was king
- Basic process automation
- Simple, rule-based tasks
- Repetitive work only

3 years ago:

- Intelligent Automation emerged
- Pattern recognition w/ML
- Advanced OCR, analytics
- Complex process handling

Today: AI Agents are taking over...

- Autonomous decision making
- Self-learning capabilities
- Predictive intelligence
- Augmenting roles

Ευχαριστώ για την παρουσίαση. Ημερομηνία: 15/05/2024. Το θέμα της παρουσίασης είναι η "Εκτίμηση της Αξίας των Επενδύσεων στην Τεχνητή Νοητική (AI)". Η παρουσίαση θα εξετάσει την τρέχουσα κατάσταση της αγοράς, τις προκλήσεις και τις ευκαιρίες. Η παρουσίαση θα ολοκληρωθεί με συστάσεις για την επένδυση στην AI.

While everyone's jumping on the agentic AI bandwagon...  
Gartner just dropped some sobering statistics:

- Only 130 out of THOUSANDS of "agentic AI" vendors are real
- Many vendors are just "agent washing" existing chatbots and RPA tools
- 19% of companies made significant investments, but most lack a clear ROI

The brutal reality? Most current AI models aren't mature enough to autonomously handle complex business goals.

But before you panic, here's what smart leaders are doing differently:

,ùå WRONG: Jumping on every "AI agent" solution  
,úÖ RIGHT: Asking "Does this deliver measurable ROI?"

,ùå WRONG: Retrofitting agents into inefficient workflows  
,úÖ RIGHT: Redesigning workflows with AI-first thinking

,ùå WRONG: Believing vendor promises about "revolutionary agents"  
,úÖ RIGHT: Recognizing only a few vendors are legitimate



IBM's report uncovers the urgent need for change in finance.  
(also applicable to other businesses)

Real-time governance is crucial.

Misalignment causes drift and deception.

Enforce strict reset and audit policies.

Prevent bias and data misuse.

90% of companies "do AI" and fail.

10% become AI-first and win.

Here's why ☹️

How most organizations "do AI":

☹️ Start with "We need AI"

☹️ Hire expensive consultants

☹️ Run endless innovation workshops

☹️ Create too many reports

☹️ Deliver beautiful PowerPoints

☹️ Hope for ROI

How AI-first winners do it:

✅ Start with "Where's my 200% ROI?"

✅ Map business pain points first

✅ Calculate the potential impact

✅ Focus on 5-10 high-impact opportunities at a time

✅ Measure actual value

✅ Drive positive ROI

The difference?

AI-first companies see AI as a value driver, not a shiny tool.

What do you think?

2372

33.38

32

AI agents demand a radical rethinking of leadership. Here, how to excel:

#### People vs Agents:

- AI agents excel at data analysis, pattern recognition, and automation.
- Humans bring creativity, emotional intelligence, and complex problem-solving.

#### Leadership in the AI Era Requires:

- Strategic collaboration between human and AI Agent team members.
- Recognizing the unique capabilities of each team component.
- Ethical implementation guided by frameworks & Regulations.
- Balancing technological efficiency with human creativity.

#### Best practices:

- Don't replace humans, augment and empower them.
- Balance AI's edge with ethical and security considerations.

The most competitive organizations will master People-AI team dynamics.

#### What do you think? Are you ready?

1569

32.73

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Hierarchical: A supervisor agent orchestrates specialized sub-agents for structured decision flow. (most common)  
 Example: Supervisor coordinates retrieval from internal data, web searches, and personal accounts.  
 Human-in-the-loop: Requires human input before proceeding, especially with sensitive data.  
 Example: Agent asks for human approval before entering invoice data into the invoice system.  
 Shared tools: Different agents have access to the same set of shared tools.  
 Example: Agents access a central database with user information using a search tool.  
 Sequential: Agents process tasks one after another, the output of one becoming input for the next.  
 Example: A query agent retrieves information using vector search, then another uses web search.  
 Network (Horizontal) Architecture: Agents communicate directly, forming a decentralized network.  
 Example: Multiple agents in a customer service system collaborate to resolve a customer issue.  
 Data Transformation Architecture: Dedicated to enriching and transforming data.

Here are the 6 Agentic architectures that are driving the big shift:

Hierarchical: A supervisor agent orchestrates specialized sub-agents for structured decision flow. (most common)

Example: Supervisor coordinates retrieval from internal data, web searches, and personal accounts.

Human-in-the-loop: Requires human input before proceeding, especially with sensitive data.

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Example: Multiple agents in a customer service system collaborate to resolve a customer issue

Data Transformation Architecture: Dedicated to enriching and transforming data.

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Προβλεπόμενα αποτελέσματα της εφαρμογής

Οι δέκα πρώτοι λόγοι που οδηγούν στην υιοθέτηση της τεχνητής νοημοσύνης είναι:

- 1. Αυτοματισμός εργασιών
- 2. Βελτιστοποίηση της απόδοσης
- 3. Αύξηση της παραγωγικότητας
- 4. Αποδοχή από τον πελάτη
- 5. Αύξηση της ανταγωνιστικότητας
- 6. Αποδοχή από το προσωπικό
- 7. Αύξηση της ποιότητας των υπηρεσιών
- 8. Αποδοχή από το management
- 9. Αύξηση της κερδοφορίας
- 10. Αποδοχή από το marketing

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- 10. Αποδοχή από το marketing

How does AI adoption evolve? This model maps the journey and shifting human roles:

- Assisted Intelligence: AI delivers insights; humans call the shots.
- Augmented Intelligence: AI boosts human creativity and decision-making.
- Autonomous Intelligence: AI takes the wheel and decides independently.
- Hybrid Stage: AI and humans collaborate, blending strengths.
- Scalability: AI matures to handle complex, organization-wide tasks.

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- 10. Αποδοχή από το marketing

A roadmap for human-AI teamwork across six stages:

- AI as Advisor: Offers insights and suggestions for humans to act on.
- AI as Assistant: Streamlines tasks to save time and effort.

2000-2005 2006-2010 2011-2015 2016-2020 2021-2025 2026-2030 2031-2035 2036-2040 2041-2045 2046-2050 2051-2055 2056-2060 2061-2065 2066-2070 2071-2075 2076-2080 2081-2085 2086-2090 2091-2095 2096-2100

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The automation landscape is fundamentally changing, and here's why & how we're making our strategic leap:

## Market Shift:

RPA Market: \$18B in 2024 ,Üí \$73B by 2032 (Fortune Business Insights)

Agentic AI Market: \$14B in 2025 ,Üí \$141B by 2032 (MarketsandMarkets)

Traditional automation is plateauing.

Agentic AI is accelerating.

## Your Transformation Strategy: From "Bots" to "Brains"

A Fundamental Evolution Across the Automation Lifecycle.

From: Building rigid bots

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Συμπεράσματα: Η AI είναι ένα εργαλείο που μπορεί να βοηθήσει στην αυτοματισμό των διαδικασιών, αλλά δεν είναι η λύση για όλα. Η επιτυχία εξαρτάται από την εφαρμογή και την αλληλεπίδραση με τους ανθρώπους. Η AI δεν είναι η λύση για όλα, αλλά μπορεί να βοηθήσει στην αυτοματισμό των διαδικασιών.

Here's the hype vs reality:

☹️ The Lies:

"RPA is dead"

"OCR is obsolete"

"Everyone's using AI agents"

"GenAI has replaced everything"

"You need AI for every business process"

Let's look at the data... 📊

☹️ The Reality:

Most successful companies use a hybrid approach

Intelligent Automation still delivers in-year ROI

IA processes billions of transactions daily

RPA market: \$3.2B & growing at 22.1%!

GenAI enhances rather than replaces

Every tool has its sweet spot

Stop chasing headlines. Start building solutions that work.

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- GenAI engineering tools

Ευρωπαϊκή Επιτροπή, 2023. Ευρωπαϊκή Επιτροπή. Ευρωπαϊκή Επιτροπή

- Simulation twins & GenAI-native apps
- Enhanced workflow tools
- Multiagent generative systems

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☺☺☺ The secret to successful automation isn't shiny AI tools.

☺☺☺ It's not about the latest RPA or AI tools. It's about mastering your processes first.

☺☺☺ Here's the real difference between companies accelerating with automation and those stuck in a rut:

☺☺☺ 60-70% of the time, it's due to poorly defined/illegible processes.

☺☺☺ 20% of the time, it's about not choosing the right process.

☺☺☺ 10% is about not leveraging existing tools correctly

☺☺☺ Less than 5% is about choosing the right tools

☺☺☺ So, if you're feeling overwhelmed about AI, focus on refining your processes first. As AI evolves, it can enhance and turbocharge those processes.

☺☺☺ Quality processes are your first step to success!

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☺☺☺ Follow for Agentic AI, Gen AI & RPA trends: <https://lnkd.in/gFwv7QiX>

#AI #innovation #technology #automation

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What's the truth?

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- Is Intelligent Automation still the answer?
- Is RPA & OCR really dead?

The truth is complex, with all tools still relevant based on your use case.  
Still see all of them in action, though Agentic AI is the flavor of the times 🤖🔥

Just as RPA was some time back - a change in hype?

What is your take?

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Repost if this helped you see the shift ,ô^Ô[]è

#AI #innovation #technology #automation

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Επιπλέον, η χρήση του GPT-4 μπορεί να είναι πολύπλοκη και απαιτείται ειδική γνώση.

Οι προκλήσεις που αντιμετωπίζουμε είναι πολλές. Πρώτον, η ποιότητα των δεδομένων που χρησιμοποιούμε είναι κρίσιμη. Δεύτερον, η κλίμακα των δεδομένων που χρειαζόμαστε είναι τεράστια. Τρίτον, η ταχύτητα με την οποία μπορούμε να επεξεργαστούμε τα δεδομένα είναι πολύ χαμηλή. Τέλος, η стоимость των υπηρεσιών του GPT-4 είναι πολύ υψηλή.

You're not alone. Many either overcomplicate it or lack a clear roadmap.

Here's a step-by-step guide from OpenAI, based on 300+ implementations.

Οι βασικές αρχές που πρέπει να ακολουθήσουμε είναι: 1. Καθαρά δεδομένα, 2. Απλή και κατανοητή δομή, 3. Απλές και κατανοητές οδηγίες.

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• Model - The LLM brain that powers reasoning

• Tools - APIs and functions for taking action

• Instructions - Clear guardrails and behavior guidelines

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,ùå Don't build if simple rules can solve it

,úÖ Do build when you have:

- Complex decision-making requirements
- Unstructured data (docs, natural language)
- Brittle rule-based systems that keep breaking

Οι βασικές αρχές που πρέπει να ακολουθήσουμε είναι: 1. Καθαρά δεδομένα, 2. Απλή και κατανοητή δομή, 3. Απλές και κατανοητές οδηγίες.

👉 We built a Multi-Agent AI System for Document Processing:

The problem: Companies waste 100s of hours monthly on manual document processing - data entry, validation, and endless back-and-forth.

The solution: An Agentic AI system that:

- Auto-extracts data from any format (PDF, email, scanned)
- Validates and maps to your Systems (eg, ERPs)
- Learns from all human decisions to get smarter
- Provides live tracking of every doc status

Result? 60 to 80% reduction in processing time, 95 to 100% accuracy, and teams finally don't have backlogs - all tracked from an easy dashboard.

Built with: Python, FastAPI, LangGraph, React

The magic: AI agents that work together like a well-oiled team!

- \* Extractor Agent: Handles unstructured data extraction.
- \* Validator Agent: Applies business rules and mappings.
- \* Reviewer Agent: Provides analysis and recommendations.
- \* ERP Agent: Enters data directly into your systems.
- \* Alert Agent: Notifies you when something needs attention.

Each agent maintains state, shares context, and learns from human feedback. The system gets smarter with every processed document.

IBM's report uncovers the urgent need for change in finance.  
(also applicable to other businesses)

Real-time governance is crucial.

Misalignment causes drift and deception.

Enforce strict reset and audit policies.

Prevent bias and data misuse.

It's AI AND API AND RPA.  
Using AI, APIs, and RPA together is essential for comprehensive automation solutions.

It's AI AND API AND RPA.

- AI enhances decision-making and optimizes processes.
- APIs facilitate seamless integration and enable connectivity.
- RPA provides valuable integration where there are no APIs. (and there are many).

Using AI, APIs, and RPA together is essential for comprehensive automation solutions.

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2200^2200≤2200≤2200±2200≤2200±!

Before MCP, Agentic AI was tough. Now? It,Äôs autonomous magic.

2200âê Why MCP?

MCP is creating the standard rules (protocol) for the AI agent age, standardizing data and tool access.

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The best way to understand MCP is to see how things are done now (before MCP) and how MCP changes that:

2200†2200≤2200≥2200°2200∅2200≤ 2200†2200ñ2200ε:

2200ß AI agents require custom-built tools for each task.

2200îó Developers create individual tools for LinkedIn, Gmail, etc..

2200†Ô2200è Thousands of developers write similar code for similar purposes.

2200âê Lack of a common standard leads to inefficiency, and it is very tedious.

2200†2200≥2200À2200≤2200∅ 2200†2200ñ2200ε:

2200ñ•Ô2200è MCP servers are "write once, use everywhere",Äêe.g., Slack creates an MCP server, and everyone benefits.

2200îç AI models query MCP servers for available actions, selecting the right tools for tasks.

2200îÑ MCP,Äôs bi-directional protocol allows AI to understand actions & also execute them.

2200öÄ With MCP, AI models autonomously use servers to execute tasks.

3141

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But it just might outshine AI agents in Enterprises.

Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So enterprise use is currently limited.

Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

Market is evolving fast, tools & tech are changing.



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Most companies fail at AI because they automate broken processes w/o support structures or culture change.

Norway's sovereign wealth fund took a different approach:

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- CEO mandate: "No AI adoption = no promotion"

- Created urgency and accountability

- Made resistance impossible

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Ευρωπαϊκή Επιτροπή - Ευρωπαϊκή Επιτροπή

- 40 AI Ambassadors across departments

- Dedicated enablement teams

- Heavy investment in training

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Ευρωπαϊκή Επιτροπή - Ευρωπαϊκή Επιτροπή

- Didn't automate old workflows

- Asked: "What if we started fresh?"

1395

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[illegible]

80-90% of the world's data exists in unstructured formats. ?üiÑ

We're solving this massive challenge with AI agents! 🤖

Here is the AI agent team (ready for any client)

## Üb 1 Manager Agent delegates tasks

❓ Extraction Agents pull data using AI models

### • Evaluator Agent verifies uncertain extractions

## ❓ Application Agent pushes to systems

### ❓ Communication Agent sends notifications

Here is an example implementation for a recent client:

1. User places invoice PDFs/images in a monitored folder

724

12.98

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Εύκολο να μάθετε, να εφαρμόσετε και να επεκτείνετε την αυτοματισμένη εργασία στην επιχείρησή σας. Το RPA είναι η βάση για την ανάπτυξη της Agent Process Automation (APA), η οποία είναι η επόμενη γενιά της αυτοματισμένης εργασίας. (Εύκολο να μάθετε).

- APA definition and overview
- Evolution of Digital Automation - RPA to APA
- Understanding AI Agents, Agentic Workflows
- How APA Works ,Ã Using AI Agents for automation
- How does APA differ from RPA
- Benefits of APA
- Challenges and Solutions
- The Future of Digital Automation

Discover how Agentic Process Automation (APA) is revolutionizing traditional automation methods:  
<https://share.botnirvana.org/e4FC>

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://share.botnirvana.org/e4FD>

#AI #innovation #technology #automation

645

11.58

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AI Agents are the next big thing in AI & Automation.

So, here are 36 AI Agent Ideas for you.

Join our Newsletter where we share use cases every week:  
<https://botnirvana.org/>

Join our next session on Agentic automation:  
<https://community.botnirvana.org/events/FC974F>

What do you think? 1377 29.41 30

Automation 101

Here's your checklist in the order of priority:

- ☑️ Remove Redundant
- ☑️ Optimize
- ☑️ Standardize

☑️ Then Automate

What do you think? 671 12.5 30

Ευρωπαϊκή Επιτροπή, 2020. Διαθέσιμο στο: <https://ec.europa.eu/digital-storytelling/en>

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Repost if this helped you see the shift

2192

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Εύκολη Εύρεση Πληροφοριών: Τα εργαλεία παρέχουν εύκολη πρόσβαση σε πληροφορίες σχετικά με την κατάσταση της εταιρείας, τους πελάτες, τους προμηθευτές, κ.λπ.  
Ανάλυση και Επεξεργασία: Τα εργαλεία μπορούν να αναλύσουν και να επεξεργαστούν μεγάλες ποσότητες δεδομένων, παρέχοντας αναφορές και ερωτήματα.  
Αυτοματισμός: Τα εργαλεία μπορούν να αυτοματιστούν, μειώνοντας τον χρόνο που απαιτείται για την εκτέλεση εργασιών.  
Ενσωμάτωση: Τα εργαλεία μπορούν να ενσωματωθούν με άλλα συστήματα, παρέχοντας μια ολοκληρωμένη λύση.  
Ανταπόκριση: Τα εργαλεία μπορούν να ανταποκριθούν σε αλλαγές στην κατάσταση της εταιρείας, παρέχοντας πληροφορίες σε πραγματικό χρόνο.

Here,Âs how APA revolutionizes the game:

• Task Interpretation: Utilizes Large Language Models (LLMs) to understand and interpret user instructions.

• Workflow Construction: Automatically builds workflows.

• Integration: Seamlessly integrates with tools through APIs.

• Control Logic: Dynamically manages control flow and decision-making.

• Data Processing: Integrates with AI Agents for real-time data analysis.

• Real-time Adaptation: Continuously adapts workflows based on live data.

• Self-Improvement: Iteratively reviews and refines workflows for ongoing improvement.

RPA is great for repetitive tasks, but APA takes it a step further.

It enables true end-to-end automation that can adapt in real time.

Ευχαριστούμε πολύ για την παρουσίαση και την καλή συνεργασία. Η ομάδα μας είναι πολύ περήφανη για τα αποτελέσματα που έχουμε φτάσει μέχρι τώρα. Η επόμενη προτεραιότητα μας είναι να ενισχύσουμε την αυτοματισμένη διαδικασία και να μειώσουμε τον χρόνο επεξεργασίας. Η ομάδα μας είναι πολύ περήφανη για τα αποτελέσματα που έχουμε φτάσει μέχρι τώρα. Η επόμενη προτεραιότητα μας είναι να ενισχύσουμε την αυτοματισμένη διαδικασία και να μειώσουμε τον χρόνο επεξεργασίας. Η ομάδα μας είναι πολύ περήφανη για τα αποτελέσματα που έχουμε φτάσει μέχρι τώρα. Η επόμενη προτεραιότητα μας είναι να ενισχύσουμε την αυτοματισμένη διαδικασία και να μειώσουμε τον χρόνο επεξεργασίας.

~80% of the world's data is stored in unstructured formats. 🤖

We're solving this massive challenge with AI agents! 🚀

See it in action in our demo tomorrow! (Link in comments)

Here's what our AI agent team delivers:

- Auto-extracts data from any format (PDF, email, scanned)
- Validates and maps to your Systems (eg, ERPs)
- Learns from all human decisions to get smarter
- Provides live tracking of every doc status

The results?

60-80% reduction in processing time, 95-100% accuracy, and zero backlogs.

Meet the dream team:

- Extractor Agent: Handles unstructured data extraction.
- Validator Agent: Applies business rules and mappings.
- Reviewer Agent: Provides analysis and recommendations.
- Application Agent: Enters data directly into your systems.

1003

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Ευχαριστούμε πολύ για την προσοχή σας και την υποστήριξη που μας δείχνετε. Ελπίζουμε να έχετε μια καλή μέρα και να συνεχίσετε να μας υποστηρίζετε. Με εκτίμηση, Η ομάδα του Citi.

Here are some amazing use cases from Citi:

- Personalized Experiences: AI tailors advice, loans, and savings for individual needs.
- Improved Risk Management: Real-time risk profiling and predictive modeling enhance underwriting.
- Predictive Forecasting: Enables proactive financial planning with accurate predictions.
- Enhanced Security: AI-driven measures bolster KYC, fraud prevention, and compliance.
- Investment Optimization: Dynamic strategies and market alerts for better decisions.

The future of finance is not just about automation, it's about creating personalized, efficient, and secure solutions.

As AI evolves, expect even more innovations in the financial industry.

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28

AI agents are redefining what's possible in AI & automation.  
They're not just chatbots. They're strategic partners.

• Autonomous Decision-Making: Execute complex tasks without constant oversight.

à Memory-Driven Personalization: Leverage past preferences for tailored outcomes.

,èèè Seamless Execution: Orchestrate tools to deliver comprehensive results.

† Context Awareness: Adapt dynamically to user needs and real-time data.

é Goal-Oriented Planning: Break down objectives into actionable steps.

Ñ Problem Solving: Refine approaches through continuous learning.

ù Human-AI Collaboration: Amplify your team's expertise.

Here is an example for each:

1) Chatbot Example: An employee asks, "What's our company's policy on remote work expenses?"

2661 35.63 27

🔗 The paper that defined APA even before APA was a thing (Nov 2023)

Here are the key insights on Agentic Process Automation (APA) using LLM-based agents.

- APA integrates LLMs into process automation for enhanced workflow construction and execution.
- Utilizes LLM-based agents to dynamically construct and execute workflows.
- Overcomes traditional RPA limitations by handling complex, adaptable tasks.
- Reduces human intervention, reallocating resources to strategic tasks.
- APA offers adaptable, intelligent automation solutions.

What do you think?

1546

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From the rise of ChatGPT, there has been a desire for more autonomous systems.  
 Systems that could utilize foundational models + tools & memory to act.  
 Here are a few iterations we made along the way to Agentic AI:

#### Foundation Models:

- Next-token prediction
- Simple input-output
- Original foundation models
- Example: GPT-1

#### Chatbots:

- Instruction fine-tuned
- Engaging conversations
- Trained to chat with users

Example: ChatGPT

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But it just might outshine AI agents in Enterprises.

200Œ Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So, enterprise use is currently limited.

200Œ Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

200Œ What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

200Ä The market is evolving rapidly, and tools and technology are changing.



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Ευρωπαϊκή Επιτροπή, 2023. Ευρωπαϊκή Επιτροπή. Ευρωπαϊκή Επιτροπή

- Light & open-source LLMs
- Multistage LLM chains
- Model hubs & diffusion AI
- AIaaS for scalable AI services

Ευρωπαϊκή Επιτροπή, 2023. Ευρωπαϊκή Επιτροπή. Ευρωπαϊκή Επιτροπή

- Knowledge graphs
- AI-generated synthetic data
- Scalable vector databases
- GenAI engineering tools

Ευρωπαϊκή Επιτροπή, 2023. Ευρωπαϊκή Επιτροπή. Ευρωπαϊκή Επιτροπή

- Simulation twins & GenAI-native apps
- Enhanced workflow tools
- Multiagent generative systems

767

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• Our hot-off-the-press APA report spills ALL the details:  
• How AI Agents are rewriting the automation game  
• The tech mashup (RPA + DPA + iPaaS + Process mining+ AI agents) that,Âs pure magic  
• LLMs & LAMs unlocking next-level Automation vibes  
• Who,Âs winning the APA race (capabilities, strengths, and weaknesses)  
• The ROI goldmine: How APA brings value - save cash, move fast, crush the competition  
• Your step-by-step APA takeover plan

Ready to ditch the old playbook and go full-on AI automation?

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67% of Mature AI Organizations Are Creating New AI Roles.

87% already have dedicated AI teams, according to a Gartner survey.

A lack of skills and staff is holding many back. Here are a few current & emerging AI roles:

• Chief AI Officer: Leads AI strategy and oversight.

• Head of AI: Directs AI initiatives and teams.

• AI Architect: Designs scalable AI system architecture.

• AI Product Manager: Manages the AI product development lifecycle.

• AI Risk & Governance Specialist: Ensures AI compliance and risk management.

• AI Ethicist: Addresses ethical implications of AI.

• Model Manager: Oversees the AI model lifecycle.

• Model Validator: Verifies AI model accuracy and reliability.

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Before MCP, Agentic AI was tough. Now? It,Äôs autonomous magic.

µüâê Why MCP?

MCP is creating the standard rules (protocol) for the AI agent age, standardizing data and tool access.

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The best way to understand MCP is to see how things are done now (before MCP) and how MCP changes that:

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µüß AI agents require custom-built tools for each task.

µüó Developers create individual tools for LinkedIn, Gmail, etc..

µüõÔµè Thousands of developers write similar code for similar purposes.

µüâê Lack of a common standard leads to inefficiency, and it is very tedious.

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µü•Ôµè MCP servers are "write once, use everywhere",Äê.g., Slack creates an MCP server, and everyone benefits.

µüç AI models query MCP servers for available actions, selecting the right tools for tasks.

µüÑ MCP,Äôs bi-directional protocol allows AI to understand actions & also execute them.

µüÄ With MCP, AI models autonomously use servers to execute tasks.

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µüÄ With MCP, AI models autonomously use servers to execute tasks.

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Microsoft has shown us the future w/AI agents that simplify complex workflows with almost no coding.

The "RFP response agent" is a prime example.

Key Features:

• Speaks your firm's language & format

• Pulls data from ERP, Docusign, Dynamics

• Runs compliance checks with multi-agent orchestration

• Posts finalized proposals into Teams with its own identity

This isn't just automation; it's next-level innovation with Agentic AI:

Build complete multi-agent teams that automate end-to-end processes with no-code!

Where does this leave traditional automation?



[illegible]

How does AI adoption evolve? This model maps the journey and shifting human roles:

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- AI as Advisor: Offers insights and suggestions for humans to act on.
- AI as Assistant: Streamlines tasks to save time and effort.





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Εύκολη Εύρεση Model innovations:

- Light & open-source LLMs
- Multistage LLM chains
- Model hubs & diffusion AI
- AIaaS for scalable AI services

Εύκολη Εύρεση Build & Data:

- Knowledge graphs
- AI-generated synthetic data
- Scalable vector databases
- GenAI engineering tools

Εύκολη Εύρεση AI Applications:

- Simulation twins & GenAI-native apps
- Enhanced workflow tools
- Multiagent generative systems

1037

17.68

26



What if your IT operations could deliver 200%+ ROI in under 6 months?  
#IBMPartner

At IBM TechXchange, I witnessed how AI automation and observability are making this possible today.

Five Strategic Transformations for IT operations I can see:

- 1. Reactive ,Üí Proactive Operations  
AI-powered prevention shifts team focus from firefighting to strategic initiatives.
- 2. Guesswork ,Üí Real-Time Visibility  
Full-stack dependency mapping provides instant understanding across complex environments.
- 3. Manual ,Üí Intelligent Automation  
AI-driven incident investigation and remediation with appropriate human governance.
- 4. Firefighting ,Üí Innovation  
Up to 90% reduction in troubleshooting time returns developer capacity to core business objectives.
- 5. Siloed Data ,Üí Unified Intelligence  
Consolidated telemetry (traces, metrics, logs) delivers a complete operational context.

Validated Business Outcomes (Forrester TEI Study):  
50% reduction in critical incidents requiring investigation  
50% improvement in mean time to repair  
80% acceleration in incident investigation  
50% reduction in legacy solution costs  
216% return on investment

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Anthropic just shared how they are using their coding AI agent, Claude code.

Here are 10 powerful AI agent use cases for IT based on the must-read guide:

200îß Infrastructure Debugging: Fix infrastructure issues fast by analyzing logs or screenshots, providing exact commands to resolve problems (e.g., Kubernetes Debugging with Screenshots).

200öÄ Rapid Prototyping: Autonomously generate feature prototypes, delivering solutions for developers to polish, speeding up innovation (e.g., Fast Prototyping with Auto-Accept Mode).

200ß™ Automated Test Generation: Create comprehensive unit tests with edge cases, ensuring robust code quality with minimal effort (e.g., Unit Test Generation with Edge Case Coverage).

200ö Documentation Synthesis: Synthesize documentation into clear runbooks or guides, making troubleshooting faster and more efficient (e.g., Documentation Synthesis and Runbooks).

200éØ Codebase Navigation for Onboarding: Guide new hires through massive codebases, highlighting key files and dependencies to accelerate onboarding (e.g., Codebase Navigation for New Hires).

,ö° Non-Technical Workflow Automation: Enable non-technical teams to automate tasks like report -

-





Andrew Ng and his team have introduced a groundbreaking approach to OCR called Agentic Document Extraction!

I, Æm a big fan of the agentic paradigm because it blends intelligence, tools, and memory powerfully.

That said, agents on their own can sometimes hallucinate, and that, Æs what this new method shows.

It, Æs still early days, but here, Æs my take:

For now, the best approach is to combine the deterministic and non-deterministic approaches.

Traditional OCR remains critical for precision tasks, Ælike extracting invoice numbers, addresses, or zip codes

Use proven OCR for those precise needs and layer in the agentic approach where it excels, like detecting handwriting or interpreting complex figures (think flowcharts).

This reminds me of what, Æs happening in automation. Pure agent-driven systems like OpenAI, Æs Operator or Anthropic Computer use can go off the rails without guardrails. But when you pair AI agents with deterministic systems (like workflow automation), you get Agentic Process Automation, Æa more reliable hybrid.

From the rise of ChatGPT, there has been a desire for more autonomous systems. Systems that could utilize foundational models + tools & memory to act. Here are a few iterations we made along the way to Agentic AI:

#### Foundation Models:

- Next-token prediction
- Simple input-output
- Original foundation models
- Example: GPT-1

#### Chatbots:

- Instruction fine-tuned
- Engaging conversations
- Trained to chat with users

Example: ChatGPT

Ευχαριστώ πολύ για την προσφορά σας. Η συνάντησή μας ήταν πολύ ενδιαφέρουσα και ενημερωτική. Ελπίζω να έχουμε την ευκαιρία να συνεργαστούμε στο μέλλον. Μετά από την ολοκλήρωση της συνάντησής μας, θα ήθελα να σας ευχαριστήσω για τον χρόνο που αφιερώσατε. Η ομάδα μου και εγώ είμαστε πολύ ενθουσιασμένοι με την προοπτική της συνεργασίας μας. Θα επικοινωνήσουμε σύντομα σχετικά με τα επόμενα βήματα. Με εκτίμηση, [Υπογραφή]

MCP is becoming the new standard for connecting AI Agents to wherever data resides. For e.g. Your Accounting systems, Cloud data, Local files, etc.

👉 Why MCP?:

- Open standard for secure AI-data connections. (like USB)
- Simplifies development, ensures scalability.
- Switch between LLM vendors flexibly.
- Secure your data effortlessly.

👉 Architecture Overview:

- MCP Hosts: Programs like Claude Desktop, IDEs, or AI tools that want to access data through MCP
- MCP Clients: Protocol clients that maintain 1:1 connections with servers
- MCP Servers: Lightweight programs that each expose specific capabilities through the standardized Model Context Protocol
- Local Data Sources: Your computer, files, databases, and services that MCP servers can securely access
- Remote Services: External systems available over the internet (e.g., through APIs) that MCP servers can connect to



Each LLM has unique superpowers - and costly blindspots.

Here's how to choose the perfect model for your specific needs:

1. OpenAI

- Models: GPT-3, GPT-3.5, GPT-4 (proprietary)
- Strengths: Advanced conversational dialogue, multi-step reasoning, efficient computation, real-time interactions.
- Weaknesses: Requires commercial license or subscription for full functionality.

2. Anthropic

- Models: Claude 3.5 (Proprietary)
- Strengths: Incredible contextual understanding, human-like interactions, strong coding capabilities.
- Weaknesses: Credit-based subscription service with higher costs for enterprise plans.

3. Google

- Models: Gemini (proprietary)
- Strengths (Gemini): Large context windows, improved speed, reasoning, and multimodal processing.



For almost a decade, I've been immersed in the world of RPA. We have revolutionized how simple tasks are automated. But let's face it, RPA was limited, it lacks intelligence. Enter AI agents powered by LLMs (Large Language Models). They are poised to automate entire roles within organizations. Imagine a marketing department and it's AI Agent team:

- Marketing Manager Agent handles campaign oversight.
- Content Marketing Manager Agent creates content plans.
- Social Media Manager Agent optimizes engagement.
- Email Marketing Agent crafts effective email campaigns.
- Graphic Design Agent produces stunning visuals.
- Copywriter Agent crafts persuasive copy.
- Advertising Agent creates ad campaigns.

These AI agents work together, orchestrating workflows previously managed by humans. Humans will now focus on overseeing, strategizing, and ensuring these agents are on the right track.

The key difference? Intelligence.

Multi-agent systems (A2A) and multi-agent systems (MCP) are essential building blocks in modern AI Agent ecosystems, but they solve different problems:

🤖 A2A vs. MCP: Where should we place our bets?

A2A: The multi-agent future's champion.

MCP: The AI agent tool's first mover.

Both A2A and MCP are essential building blocks in modern AI Agent ecosystems, but they solve different problems:

🏗️ Architecture

A2A = Distributed, agent-to-agent over the web

🤝 Think, "Agents working independently, talking securely over HTTP."

MCP = Client-server via structured transports

🤝 Think, "An agent calling a tool to get something done."

🔍 Discovery

A2A = Agents self-describe via Agent Cards (JSON)

🤝 Dynamic discovery of agent skills.



The Agentic Process Automation (APA) landscape is evolving rapidly, and we're keeping a close eye on it.

Here's what we're seeing:

• Cloud Providers: Microsoft, IBM, Amazon, etc., are integrating AI agent capabilities into their cloud platforms.

• RPA Vendors: UiPath, Automation Anywhere, etc., are adding agentic capabilities to their RPA offerings.

• DPA/Low-code Vendors: Camunda, etc., are embedding AI agents into their process automation platforms.

• iPaaS Vendors: Mulesoft (Salesforce), Workato, etc., are enhancing their integration platforms with AI agents.

• AI-First Vendors: LangChain, Relevance AI, etc., provide frameworks for building and deploying AI agents.

• Innovative Players: Kognitos, Beam AI, etc., offer new approaches to AI-Agent powered automation.

• Traditional automation players (RPA, BPA, iPaaS) are converging with APA.

Are we missing any tools? Are you an APA player or know of any that's not mentioned, let's know in the comments

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Εύο¶Εύο≤ΕύοΔΕύοΔΕύο<sup>ο</sup>ΕύοΔΕύο<sup>∞</sup>Εύο≤ΕύοΔ!

Here are some amazing use cases from Citi:

Εύιç Personalized Experiences: AI tailors advice, loans, and savings for individual needs.

Εύιà Improved Risk Management: Real-time risk profiling and predictive modeling enhance underwriting.

ΕύιÆ Predictive Forecasting: Enables proactive financial planning with accurate predictions.

Εύιí Enhanced Security: AI-driven measures bolster KYC, fraud prevention, and compliance.

Εύι° Investment Optimization: Dynamic strategies and market alerts for better decisions.

The future of finance is not just about automation,Äit's about creating personalized, efficient, and secure solutions.

As AI evolves, expect even more innovations in the financial industry.

Read the complete report: <https://share.botnirvana.org/WLck>



Ευχαριστώ πολύ για την προσφορά σας. Ημερομηνία: 15/05/2024. Το θέμα είναι η...

👉 Here's exactly how we did it:

👉 Used Anthropic's Model Context Protocol (MCP)

👉 Connected Claude AI to Puppeteer MCP server

👉 Generated one detailed prompt with Claude

👉 Let AI figure out the automation code

👉 Watched it complete in milliseconds!

Warning: Traditional automation people might find this disturbing... 🤖

👉 Traditional RPA/BPM automation:

- Complex workflows & "low" code
- Rules-based programming

1867

31

24



What is the problem with AI? , And what is the solution?  
It's like putting a soap dispenser on a bar of soap.

The truth:

It's like putting a soap dispenser on a bar of soap:

• Unnecessary

• Complicated

• Pointless

I see many companies doing this. Why?

• Fear of missing out

• AI adds perceived value

• Marketing loves buzzwords

• Prices can be marked up 100%

But here's what it means:

Adding AI to legacy processes = Adding a turbocharger to a rusted car

What AI can't do:

• Fix bad processes

• Repair broken systems

• Solve underlying issues

Smart companies ask:

• Are our processes ready for AI agents? , instead of , How can we add AI? ,

• Our hot-off-the-press APA report spills ALL the details:  
• How AI Agents are rewriting the automation game  
• The tech mashup (RPA + DPA + iPaaS + Process mining+ AI agents) that,Âs pure magic  
• LLMs & LAMs unlocking next-level Automation vibes  
• Who,Âs winning the APA race (capabilities, strengths, and weaknesses)  
• The ROI goldmine: How APA brings value - save cash, move fast, crush the competition  
• Your step-by-step APA takeover plan

Ready to ditch the old playbook and go full-on AI automation?

1096

22.78

23

The automation evolution has a new twist ...

Here's your 2024 Digital Automation Guide:

#### 🔍 RPA

- Rule-based automation
- Manual workflow construction
- Basic robot management
- Limited to repetitive tasks

#### 🔍 Intelligent Automation

- Integrated AI with ML & NLP
- Handles unstructured data
- Predictive analytics
- Cognitive task automation

#### • Agentic Automation

- LLM-based agents
- Dynamic decision-making
- Automated workflow construction (optional)
- Intelligent handling of complex tasks

The big question now: Where does the new "Computer Use" or "AI RPA" fit in?

851

19.06

23



What you design vs. what you deploy. ☹️

Bot design meetings are like: „This will revolutionize the industry.,“

Bot Production team is like: „That's Good enough.,“

When your bot goes live,¶ it,“s a very minimum viable product. ☹️

What do you think?

681

13.99

23

Figure 1: Reference architecture for multi-agent systems

The architecture is divided into four layers:

1. Interaction Layer: This layer handles user interactions and provides a seamless experience.

2. Workflow Layer: This layer manages the workflow of the agents and ensures risk management.

3. Agents Layer: This layer contains the agents that perform tasks.

- Seamless user & app interaction with multi-agent system.
- Robust interfaces mitigate errors while guiding the agents.

4. Agent Operations Layer: This layer manages the operations of the agents.

- Enables Controlled and Predictable agent interactions
- Adds Human oversight to ensure risk management

The agents layer is responsible for:

- Create, manage, and deploy role-specific agents
- Industrializes the creation of agents with LLMs and:
  - Tools like search engines, financial analysis, code interpreters
  - Data Sources like customer records, market data, incident history
  - Memory, including short & long-term memory, for seamless task execution

The agent operations layer is responsible for:

- Continuous performance monitoring via operational, qualitative, and thought metrics

What do you think?

843

17.36

23

Ευχαριστώ πολύ για την παρουσίαση και την ανάλυση που μας έχετε κάνει. Είναι πολύ ενδιαφέρον να βλέπουμε πώς η τεχνολογία αλλάζει τον τρόπο που εργαζόμαστε και η ζωή μας. Η ανάλυση που μας έχετε κάνει είναι πολύ καλή και μας βοηθάει να κατανοήσουμε καλύτερα την κατάσταση. Ευχαριστώ πολύ για την παρουσίαση και την ανάλυση που μας έχετε κάνει.

The Journey of Software Dev in a nutshell:

1<sup>η</sup> Περίοδος, Έξ 1950s: Assembly language, Όχι Machine Code  
Οι προγραμματιστές έγραψαν ακριβείς CPU instructions

2<sup>η</sup> Περίοδος, Έξ 1970s: High-Level Languages like C, Java, Όχι Binary Code  
Οι μεταγλωττιστές (compilers) έφτιαξαν γέφυρα ανάμεσα στον ανθρώπινο κώδικα και τις μηχανικές εντολές

3<sup>η</sup> Περίοδος, Έξ 2000s: Low-Code Platforms, Όχι Traditional Code  
Οι εργαλεία Drag-and-drop, Visual tools μεταγλωττίστηκαν σε παραδοσιακό κώδικα

4<sup>η</sup> Περίοδος, Έξ 2024: Natural Language (English), Όχι Code & even apps  
Οι LLMs μεταφράζουν τις απαιτήσεις σε λειτουργικό κώδικα και εφαρμογές!

Σκεφτείτε:

Compilers έφτιαξαν γέφυρα ανάμεσα στην μηχανική, το δυαδικό και τον κώδικα.  
LLMs είναι τώρα οι μεταγλωττιστές που μετατρέφουν τις σκέψεις σε λογισμικό!!

What do you think?

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Πολλοί άνθρωποι που κάνουν έργο στο έδαφος, συνεχώς ακούω ότι είναι εύκολο να γίνει, αλλά στην πραγματικότητα είναι πολύ δύσκολο. Είναι σαν να είσαι πιλότος και να σε ρωτούν για την παραγωγή. (Πολλοί άνθρωποι που κάνουν έργο στο έδαφος)

I keep hearing this from people who are doing work on the ground. There are so many pilots flying around, but it is so hard to translate them into production.

I've seen it since the RPA days, pilots are much easier, and production is where the real challenge is.

Πύλη Reality Check:

Πολλοί άνθρωποι που κάνουν έργο στο έδαφος, συνεχώς ακούω ότι είναι εύκολο να γίνει, αλλά στην πραγματικότητα είναι πολύ δύσκολο. Είναι σαν να είσαι πιλότος και να σε ρωτούν για την παραγωγή. (Πολλοί άνθρωποι που κάνουν έργο στο έδαφος)

, αλλά στην παραγωγή είναι ένα διαφορετικό σύμπαν: Χιλιάδες χρήστες, πολύπλοκα σενάρια, υψηλή ασφάλεια, και απαιτήσεις συμμόρφωσης.

Πολλοί άνθρωποι που κάνουν έργο στο έδαφος, συνεχώς ακούω ότι είναι εύκολο να γίνει, αλλά στην πραγματικότητα είναι πολύ δύσκολο. Είναι σαν να είσαι πιλότος και να σε ρωτούν για την παραγωγή. (Πολλοί άνθρωποι που κάνουν έργο στο έδαφος)

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🕒⚡ FROM HOURS TO SECONDS: How Agentic OCR is revolutionizing document processing !

🤖️ AI agents are finally cracking the code on document extraction. Here's what you need to know...

🔄 Traditional OCR: Limited by rigid templates.

🤖️ AI-powered OCR: Better, but costly and needs constant training.

🚀 Enter Agentic OCR: Revolutionizing document processing.

🔍 How it works:

- Specialized AI agents work as a team.
- Manager agent analyzes and delegates.
- Evaluator agents ensure accuracy.
- Data flows directly into business systems.

💡 Our client needed invoices processed into QuickBooks. The transformation? Documents dropped in a folder now magically appear in their accounting system.

⚡️ What took hours now happens in seconds. What required staff now runs autonomously.

👁️ Want to see exactly how this works? I've created a detailed walkthrough of Agentic OCR implementation, including the actual prompts we used. Watch the complete video here: [\[LINK IN COMMENTS\]](#)

It uses specialized AI agents & people in a workflow to autonomously resolve tickets.  
Here is how it works:

• Incident Creation: Business users submit support tickets via the IT portal.

• Workflow Trigger: The software incident support workflow is initiated to resolve.

• Incident Classification Agent: AI classifies the ticket and assigns it to the right agent.

• Incident Analysis Agent: Analyzes past articles, SOP's, etc, for similar fixes and solutions.

• Solution Validation/Escalation: Agent validates solution w/KB else escalates to Human L3.

• Human-in-the-Loop: Humans validate and fully implement the resolution before finalizing.

• Resolution Completion & Update: The resolution agent updates the status in the system for users.

• Workflow Monitoring and Metrics: The system tracks interactions and reports metrics for improvements.

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By 2026, there will be 2 types of engineers:

Those who master AI and those who are unemployed.

Here's the exact 7-step roadmap I wish I had when starting my AI journey:

#### Step 1: Master AI/ML Fundamentals 📖

Don't skip the basics. Learn core ML algorithms, statistics, linear algebra, and the holy trinity: supervised, unsupervised, and reinforcement learning.

#### Step 2: Learn Programming (or Go Low-Code) 🛠️

- Python + TensorFlow/PyTorch (traditional route)
- n8n, Zapier (low-code alternative)
- AI code editors like Cursor & GitHub Copilot

#### Step 3: Master Pre-trained Models & APIs 🌐

Stop building from scratch. Learn OpenAI API, Claude, and major platforms. Understand their capabilities, limits, and pricing models.

#### Step 4: Develop Prompt Engineering Skills 🗨️

This is where the magic happens. Master prompt design, few-shot learning, and guiding AI to produce exactly what you need.

#### Step 5: Build RAG Systems 📚

Learn vector databases (Pinecone, Weaviate). Implement document chunking, embeddings, and create Q&A systems that actually work.

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Επιπλέον, η χρήση του GPT-4 μπορεί να είναι πολύπλοκη και απαιτείται ειδική γνώση.

Οι προκλήσεις που αντιμετωπίζουμε στην ανάπτυξη εφαρμογών με GPT-4 είναι πολλές. Η πρώτη είναι η ποιότητα των δεδομένων που τρέφουν το μοντέλο. Η δεύτερη είναι η κλίμακα των δεδομένων, καθώς η GPT-4 απαιτεί μεγάλες ποσότητες δεδομένων για να λειτουργήσει σωστά. Η τρίτη είναι η ταχύτητα, καθώς η GPT-4 μπορεί να είναι πολύ αργή στην απάντηση. Η τέταρτη είναι η τιμή, καθώς η GPT-4 είναι πολύ ακριβή. Η πέμπτη είναι η ασφάλεια, καθώς η GPT-4 μπορεί να χρησιμοποιηθεί για κακό.

You're not alone. Many either overcomplicate it or lack a clear roadmap.

Here's a step-by-step guide from OpenAI, based on 300+ implementations.

Οι βασικές αρχές που πρέπει να ακολουθήσουμε είναι: 1. Κατανοήστε το πρόβλημά σας. 2. Συλλέξτε δεδομένα. 3. Εκπαλέψτε το μοντέλο. 4. Αξιολογήστε τα αποτελέσματα. 5. Βελτιστοποιήστε το μοντέλο.

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1. GPT-4 Model - The LLM brain that powers reasoning

2. Tools - APIs and functions for taking action

3. Instructions - Clear guardrails and behavior guidelines

Οι βασικές αρχές που πρέπει να ακολουθήσουμε είναι: 1. Κατανοήστε το πρόβλημά σας. 2. Συλλέξτε δεδομένα. 3. Εκπαλέψτε το μοντέλο. 4. Αξιολογήστε τα αποτελέσματα. 5. Βελτιστοποιήστε το μοντέλο.

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,ùå Don't build if simple rules can solve it

,úÖ Do build when you have:

- Complex decision-making requirements
- Unstructured data (docs, natural language)
- Brittle rule-based systems that keep breaking

Οι βασικές αρχές που πρέπει να ακολουθήσουμε είναι: 1. Κατανοήστε το πρόβλημά σας. 2. Συλλέξτε δεδομένα. 3. Εκπαλέψτε το μοντέλο. 4. Αξιολογήστε τα αποτελέσματα. 5. Βελτιστοποιήστε το μοντέλο.

Ενός από τους βασικούς πυλώνες της AI είναι η ικανότητα να επεξεργάζεται και να αναλύει δεδομένα. Η AI μπορεί να χρησιμοποιηθεί για να δημιουργήσει προγράμματα, να αναλύσει δεδομένα και να βοηθήσει στην λήψη αποφάσεων. Η AI μπορεί να χρησιμοποιηθεί για να δημιουργήσει προγράμματα, να αναλύσει δεδομένα και να βοηθήσει στην λήψη αποφάσεων. Η AI μπορεί να χρησιμοποιηθεί για να δημιουργήσει προγράμματα, να αναλύσει δεδομένα και να βοηθήσει στην λήψη αποφάσεων.

The definitive architectural guide for moving AI agents from prototypes to production.

If you're building autonomous systems, this is your new playbook.

The shift is clear: we're moving from passive, predictive models to strategic, goal-oriented AI partners.

### 🔑 The Three Core Components

Every production-grade AI agent needs:

1️⃣ **Model (The "Brain")** The reasoning engine (LLM) that processes input, evaluates options, and determines the next step.

2️⃣ **Tools (The "Hands")** APIs, code interpreters, and data access points (RAG systems, databases) that let agents retrieve information and execute actions.

3️⃣ **Orchestration Layer (The "Nervous System")** The governing logic that controls the agent's entire lifecycle. This is your conductor managing the continuous "Think, Act, Observe" loop.

### 🔑 Why Orchestration Is Everything

The Orchestration Layer is the most critical component for reliability and scale.

Here's what it does:

• **Manages the Process, Not the Reasoning.** Determines when to call the Model and how to use the tools

• **Context Curation** Acts as the ultimate curator, packaging only the most relevant information

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Some cool features:

- Build AI agents to complete tasks like product recommendations and ticket routing.
- Integrate generative AI into workflows while maintaining compliance.
- Collaborate across enterprise processes with system integration.
- Learn from data to adapt and improve performance.
- Ensure privacy, security, and responsible AI use.
- Monitor & audit AI usage to ensure data security.

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What do you think?

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But it just might outshine AI agents in Enterprises.

200ſ Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So, enterprise use is currently limited.

200Ń Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

200ß What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

200Ä The market is evolving rapidly, and tools and technology are changing.

2023-2024: AI agent startups raised \$3.8B, tripling 2023, 2024 numbers.  
2024: Big tech is all-in on AI agents and the tools to build them.  
2025: Hybrid teams of humans and AI agents are the new norm.  
2026: Routine tasks fully automated, elevating operational efficiency.  
2027: Don't just adapt; lead the AI-driven transformation.  
<https://share.botnirvana.org/WDDt>

Source: <https://www.cbinsights.com/research/ai-agent-market-map/>

501

10.24

22

[illegible]

Here's exactly how we did it:

## ❓ Used Anthropic's Model Context Protocol (MCP)

## 🔗 Connected Claude AI to Puppeteer MCP server

Generated one detailed prompt with Claude

Let AI figure out the automation code

⌘ Watched it complete in milliseconds!

Warning: Traditional automation people might find this disturbing... ☹️

❓ Traditional RPA/BPM automation:

- Complex workflows & "low" code
- Rules-based programming

3045

41.63

22





Here's what's coming to replace it:  
 Agentic OCR - The next evolution of document processing.  
 THE EVOLUTION:  
 1. Traditional OCR (2000s-2010s)  
 , Rigid, template-based systems that crumble with format variations  
 , Breaks completely when documents deviate from templates  
 , Limited accuracy (60-80% on good days)  
 , Massive manual correction needed  
 2. AI/ML-Powered OCR (2010s-2020s)  
 , Requires extensive model training per domain/document type  
 , Still significantly error-prone (80-90% accuracy at best)  
 , Struggles with document diversity and edge cases  
 , Human validation is still required for most outputs  
 3. Agentic OCR (2025+) - THE NEW WAY:

Ποσοστά επιτυχίας σε διαφορετικές φάσεις του κύκλου ζωής του έργου

Ποσοστό επιτυχίας στην προετοιμασία του έργου

Ποσοστό επιτυχίας στην υλοποίηση του έργου

Ποσοστό επιτυχίας στην ολοκλήρωση του έργου

Ποσοστό επιτυχίας στην επικοινωνία με τον πελάτη

Ποσοστό επιτυχίας στην αντιμετώπιση κρίσεων

Ποσοστό επιτυχίας στην επίλυση προβλημάτων

Here's the stark reality...

After reviewing over 300 projects, 52 executive interviews, and 153 surveys, MIT identified a GenAI Divide:

• Only 5% of AI pilots extract millions in value.

• The majority remain stuck with no measurable P&L impact

Key Insights:

Enterprise Paradox: Big firms lead in pilot volume but lag in scale-up.

Investment Bias: Budgets favor visible, top-line functions over high-ROI back office.

Implementation Advantage: External partnerships succeed twice as often as internal builds.

Here's how the successful 5% do it:

Avoid the Enterprise Paradox: Scale successful pilots instead of running many.

Recognize Investment Bias: Shift budgets to high-ROI back-office functions.

Leverage Implementation Advantage: Partner externally for twice the success rate.

GenAI systems often fail due to a lack of learning and adaptation.

875

14.77

21

I've worked in integration since the "Enterprise Service Bus" days.

At #IBMPartner TechXchange, I'm witnessing the most significant evolution of enterprise integration yet.

We used to think of it as plumbing. Now, it's becoming the central nervous system for the autonomous enterprise.

This new paradigm isn't just about connecting applications - it's about enabling intelligent, goal-driven action.

But here's the reality:

We're not going to rip and replace our way into this new world. All enterprises are brownfield, not greenfield.

- ,Üí Your business runs on systems built over decades
- ,Üí Those systems work (even if they're not sexy)
- ,Üí You can't stop operations to rebuild

So what's actually happening?

The integration tools we've relied on for years are evolving,Änot being replaced.

API Management

רסררררררררררPresent: Hyper-productivity with AI agents for build and documentation			
רסררררררררררFuture: The toolbox that AI agents and people will use to interact with your	775	1.87	21

RPA Program Playbook From US Federal Govt.

Comprehensive Digital Automation Resource.

A great resource for anyone implementing RPA.

Please, repost if you find it useful.

The automation solution that does not fail 🙏🏻

Mostly....

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The agent provides insights from our AI playbook, Use case & tools db, Articles, Podcasts & more.

Here is what it does and how:

🔍 Web Search: Searches all our websites, including member site using a web search tool.

📞 Seamless lead gen: Provides a way to contact us when there are questions to join us, talk, etc.

🛠 Built with Chatbase: This was built using Chatbase using their new Agentic AI actions/tools feature.

Get the best agentic insights, use cases, and podcasts with this new AI agent.

👉 Try it out at Botnirvana dot org (see bottom right for the bot)

If you'd like to try an AI agent on your web page for free, DM me, or just ask the bot 🙋

What do you think?

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The AI revolution is transforming the way we work, build, and innovate. In this video, I break down the key components of AI-powered automation and how it's revolutionizing the game.

Here's how AI revolutionizes the game:

- **Task Interpretation:** Utilizes Large Language Models (LLMs) to understand and interpret user instructions.
- **Workflow Construction:** Automatically builds workflows.
- **Integration:** Seamlessly integrates with tools through APIs.
- **Control Logic:** Dynamically manages control flow and decision-making.
- **Data Processing:** Integrates with AI Agents for real-time data analysis.
- **Real-time Adaptation:** Continuously adapts workflows based on live data.
- **Self-Improvement:** Iteratively reviews and refines workflows for ongoing improvement.

RPA is great for repetitive tasks, but AI takes it a step further.

It enables true end-to-end automation that can adapt in real time.	763	16.44	20
Agentic AI is here and it's transforming the way we work, build, and innovate. In this video, I break down	3239	73.95	20

Εύχομαι να σας ευχαριστήσω για την παρουσίαση και την κατανόηση των προκλήσεων και των ευκαιριών που υπάρχουν στον χώρο της αυτοματισμού. Ημερομηνία: 15/11/2023. Τοποθεσία: Αθήνα. Ομιλητής: Γιώργος Παπαδόπουλος. Θέμα: Ημερίδα για την Εξέλιξη της Αυτοματισμού στην Ελλάδα. Στόχος: Να ενημερωθούν οι συμμετέχοντες για τις τελευταίες τάσεις και να τους δοθούν πρακτικές συμβουλές για την υλοποίηση των αυτοματισμών στην επιχείρησή τους. Διάρκεια: 2 ώρες. Ώρα: 10:00 π.μ. - 12:00 π.μ. Είσοδος: Ελεύθερη. Αίθριο: Ναι. Επικοινωνία: Γραφείο Οργάνωσης, Τηλ: +30 210 123 4567, Email: info@event.gr. Αριθμός Ημερίδας: 2023-11-15-001. Σημείωση: Ημερίδα κλειστή για τους μη εγγραφέντες. Απαγορεύεται η είσοδος χωρίς εισιτήριο. Ημερομηνία έκδοσης: 10/11/2023. Έκδοση: 1.0. Σελίδα 1 από 1.

The automation game is changing, and here's why & how to leap:

🔄 Market Shift:

RPA Market: \$18B in 2024 ,Üí \$73B by 2032 (Fortune Business Insights)  
Agentic AI Market: \$14B in 2025 ,Üí \$141B by 2032 (MarketsandMarkets)

Traditional automation is slowing.  
Agentic AI is exploding.

🛤️ Your Transition Plan: From "Bots" to "Brains"

A Fundamental Transformation Across the Automation Lifecycle.

From: Building rigid bots  
To: Creating intelligent agents

Here's my 6-stage pivot:

is your vendor choice based on outdated information? It, AOS time for a change!

In an AI-first world, static quadrants mislead you on what's possible next.

Gartner realizes this and now has an "Emerging market quadrant":

,è≥ Garner "aims" to update this new quadrant every 4 weeks

☺üüä This new quadrant plots vendors based on features and future potential.

☺üîÑ Vendors are required to submit information more frequently to stay relevant.

☺üöÄ They are starting with "generative AI" vendors. (which is almost everyone? ☺üòÄ)

In terms of AI & Automation vendors:

☺üüà Microsoft leads the quadrant, showcasing the most features and future potential.

☺üöÄ UiPath & AA follow behind and almost have the future potential of Microsoft. ☺üîî

☺üüä BPM players like Appian & Pega are "Emerging leaders" as well.

(Are they stronger in a converging world?)

☺üëÄ Keep an eye on emerging players like Glean, Writer, etc.

2897

39.93

20



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Our Agentic OCR demo broke records and broke traditional assumptions.

Here are the Key insights from the session:

Εύελπτος Paradigm Shift: We, Εύελπτος are moving beyond rigid OCR and purpose-built ML models. Agentic OCR uses general-purpose, multimodal AI for highly flexible data extraction across various document formats.

Εύελπτος End-to-End Automation: Agentic systems orchestrate the full document process, Εύελπτος ingestion, extraction, validation, and System (ERP) integration, resulting in less manual work and faster, more accurate outcomes.

Εύελπτος Human-in-the-Loop and Adaptive Learning: Continuous improvement is built in. The system learns from every human intervention, dynamically adjusting to new scenarios and boosting automation rates over time.

Εύελπτος Multi-Agent Collaboration: The future is about orchestrating specialized agents (and humans!) that work together, learn, and adapt, unlocking scale and agility for ever-evolving business needs.

The feedback?

410

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Walmart just revolutionized AI shopping

They built an AI that thinks in 3 dimensions:

👁️ Visual Intelligence

Sees and understands products

Processes images like humans

Learns visual patterns

🗣️ Language Processing

Understands product descriptions

Processes customer feedback

Communicates naturally

🔗 Relationship Mapping

Connects related products

Understands shopping behavior

Predicts what you'll love

The future of shopping isn't just digital - it's intelligent.

Link to paper: <https://share.botnirvana.org/T5K2>

Want to understand how AI is reshaping every industry? Join our AI Mastermind:

<https://share.botnirvana.org/T5K3>

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Πρόκειται για μια σημαντική εξέλιξη, καθώς οι τράπεζες είναι πρόθυμες να επενδύσουν στην τεχνητή νοημοσύνη, υπερβαίνοντας τις παραδοσιακές προσδοκίες. Αυτό οφείλεται στο γεγονός ότι η τεχνητή νοημοσύνη μπορεί να προσφέρει σημαντικές λύσεις σε διάφορα τμήματα της τραπεζικής δραστηριότητας, όπως η ανάλυση κινδύνου, η διαχείριση του χαρτοφυλακίου και η εξυπηρέτηση πελατών. Η επένδυση αυτή είναι ζωτικής σημασίας για την ανταγωνιστικότητα του τραπεζικού συστήματος στην εποχή της τεχνητής νοημοσύνης.

Παρά το γεγονός ότι οι τράπεζες έχουν ιστορικά χαρακτηριστεί ως συντηρητικές, σήμερα είναι πρόθυμες να επενδύσουν στην τεχνητή νοημοσύνη, υπερβαίνοντας τις παραδοσιακές προσδοκίες.

Αλλά δεν είναι απλώς μια ενασχόληση· είναι η θέσπιση τάσεων στην τεχνητή νοημοσύνη.

Αυτή η άλση μεταμορφώνει τον τομέα, κάνοντάς τον ηγέτη στην τεχνητή νοημοσύνη.

Εδώ είναι μερικά παραδείγματα χρήσης της τεχνητής νοημοσύνης στην τραπεζική.

Πηγή: Έκθεση Citi

<https://share.botnirvana.org/WLwE>

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What is Digital Process Automation (DPA)?  
DPA is a type of automation that combines the strengths of Robotic Process Automation (RPA) and Artificial Intelligence (AI) to create a more intelligent and flexible automation solution. It is designed to handle complex, unstructured tasks that require human-like decision-making and reasoning. DPA can be used to automate a wide range of business processes, from simple data entry to complex customer service interactions. It is a powerful tool for improving efficiency, reducing costs, and enhancing the customer experience.

- APA definition and overview
- Evolution of Digital Automation - RPA to APA
- Understanding AI Agents, Agentic Workflows
- How APA Works ,Ai Using AI Agents for automation
- How does APA differ from RPA
- Benefits of APA
- Challenges and Solutions
- The Future of Digital Automation

Discover how Agentic Process Automation (APA) is revolutionizing traditional automation methods:  
<https://share.botnirvana.org/jRv3>

1116

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• Our APA report spills ALL the details:  
• How AI Agents are rewriting the automation game  
• The tech mashup (RPA + DPA + iPaaS + Process mining+ AI agents) that,Âs pure magic  
• LLMs & LAMs unlocking next-level Automation vibes  
• Who,Âs winning the APA race (capabilities, strengths, and weaknesses)  
• The ROI goldmine: How APA brings value - save cash, move fast, crush the competition  
• Your step-by-step APA takeover plan

Ready to ditch the old playbook and go full-on AI automation?

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Before MCP, Agentic AI was tough. Now? It,Äôs autonomous magic.

2200âê Why MCP?

MCP is creating the standard rules (protocol) for the AI agent age, standardizing data and tool access.

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The best way to understand MCP is to see how things are done now (before MCP) and how MCP changes that:

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2200ß AI agents require custom-built tools for each task.

2200îó Developers create individual tools for LinkedIn, Gmail, etc..

2200ō†Ô¶è Thousands of developers write similar code for similar purposes.

2200âê Lack of a common standard leads to inefficiency, and it is very tedious.

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2200ñ•Ô¶è MCP servers are "write once, use everywhere",Äêe.g., Slack creates an MCP server, and everyone benefits.

2200îç AI models query MCP servers for available actions, selecting the right tools for tasks.

2200îÑ MCP,Äôs bi-directional protocol allows AI to understand actions & also execute them.

2200öÄ With MCP, AI models autonomously use servers to execute tasks.

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Επιπλέον, η ανάπτυξη των Agent Architectures οδηγεί στην εμφάνιση νέων ρόλων και λειτουργιών, όπως η διαχείριση της επικοινωνίας, η παρακολούθηση της απόδοσης, η αντιμετώπιση των προβλημάτων, η προσαρμογή των διαδικασιών, η δημιουργία νέων προϊόντων, η βελτιστοποίηση των πόρων, η διασφάλιση της ασφάλειας, η προστασία της ιδιωτικότητας, η συμμόρφωση με τον κανονισμό, η διαχείριση της αλλαγής, η διασφάλιση της συνέχειας, η διαχείριση της κρίσης, η διασφάλιση της ανθεκτικότητας, η διασφάλιση της βιωσιμότητας, η διασφάλιση της κοινωνικής ευθύνης, η διασφάλιση της ηθικής, η διασφάλιση της διαφάνειας, η διασφάλιση της λογαριασιμότητας, η διασφάλιση της εμπιστοσύνης, η διασφάλιση της ακεραιότητας, η διασφάλιση της αξιοπιστίας, η διασφάλιση της συνέπειας, η διασφάλιση της συνέπιδας, η διασφάλιση της συνέπιδας, η διασφάλιση της συνέπιδας.

Here are the 6 Agentic architectures that are driving the big shift:

➤ Hierarchical: A supervisor agent orchestrates specialized sub-agents for structured decision flow. (most common)

Example: Supervisor coordinates retrieval from internal data, web searches, and personal accounts.

➤ Human-in-the-loop: Requires human input before proceeding, especially with sensitive data.

Example: Agent asks for human approval before entering invoice data into the invoice system.

➤ Shared tools: Different agents have access to the same set of shared tools.

Example: Agents access a central database with user information using a search tool.

➤ Sequential: Agents process tasks one after another, the output of one becoming input for the next.

Example: A query agent retrieves information using vector search, then another uses web search.

➤ Network (Horizontal) Architecture: Agents communicate directly, forming a decentralized network.

Example: Multiple agents in a customer service system collaborate to resolve a customer issue

➤ Data Transformation Architecture: Dedicated to enriching and transforming data.

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Εύκολο να χρησιμοποιήσεις, εύκολο να συζητήσεις, εύκολο να μάθεις, εύκολο να συνεργαστείς, εύκολο να μάθεις, εύκολο να μάθεις

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Then came "AI RPA" (Computer Use, OpenAI Operator)

Then we saw LLM using API to execute (Anthropic MCP).

Now, we also see the integration of these Agents (Google A2A)

So, yes they are coming for Digital Automation.

But AI Agents are different...

Εύκολο να μάθεις Here's why:

,ú® They "Plan" - break down tasks into logical steps

,ú® They coordinate multiple systems simultaneously

,ú® They learn from feedback and adapt responses

,ú® They understand natural language instructions

,ú® They intelligently invoke tools & act



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AI agents are redefining what's possible in AI & automation.  
They're not just chatbots. They're strategic partners.

• Autonomous Decision-Making: Execute complex tasks without constant oversight.

à Memory-Driven Personalization: Leverage past preferences for tailored outcomes.

,èèè Seamless Execution: Orchestrate tools to deliver comprehensive results.

† Context Awareness: Adapt dynamically to user needs and real-time data.

ø Goal-Oriented Planning: Break down objectives into actionable steps.

Ñ Problem Solving: Refine approaches through continuous learning.

ù Human-AI Collaboration: Amplify your team's expertise.

Here is an example for each:

1) Chatbot Example: An employee asks, "What's our company's policy on remote work expenses?"

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Due to the complexity of the data, the system uses a combination of rule-based and machine learning approaches.

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UiPath just shared an example from Insurance how APA works as part of their new course.  
(link in comments)

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(all hard coded)

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ö Knowledge Review: Manually searches knowledge base for carrier policies and procedures.

	849	11.38	19
Discover how AI is revolutionizing data extraction with Agentic OCR! Join our AI Mastermind to master	415	9.58	18

This is what is happening if we are to believe the hype.

What's the truth?

- How many have truly implemented Agentic AI?
- Is Intelligent Automation still the answer?
- Is RPA & OCR really dead?

The truth is complex, with all tools still relevant based on your use case.  
Still see all of them in action, though Agentic AI is the flavor of the times

Just as RPA was some time back - a change in hype?

What is your take?

Each LLM has unique superpowers - and costly blindspots.

Here's how to choose the perfect model for your specific needs:

1. OpenAI

- Models: GPT-3, GPT-3.5, GPT-4 (proprietary)
- Strengths: Advanced conversational dialogue, multi-step reasoning, efficient computation, real-time interactions.
- Weaknesses: Requires commercial license or subscription for full functionality.

2. Anthropic

- Models: Claude 3.5 (Proprietary)
- Strengths: Incredible contextual understanding, human-like interactions, strong coding capabilities.
- Weaknesses: Credit-based subscription service with higher costs for enterprise plans.

3. Google

- Models: Gemini (proprietary)
- Strengths (Gemini): Large context windows, improved speed, reasoning, and multimodal processing.

[illegible]

- They're autonomous
- They understand natural language
- They're replacing traditional apps

- White-collar jobs are transforming
- Programming is getting simplified
- Digital solutions are more accessible

- Safety protocols matter
- Human oversight is crucial
- Regular audits are essential

- Enhanced productivity
- New job opportunities
- Innovative solutions

## • AI isn't replacing humans

Ευχαριστώ πολύ για την παρουσίαση και την κατανόηση των εργασιών.

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18



Business Leaders' Perspectives on AI Agents

• How do we implement AI Agents effectively?

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How do we implement AI Agents effectively?

As business leaders, we're all asking: "How do we implement AI Agents effectively?"

After discussing with hundreds of leaders, here's the strategic roadmap we've developed:

Master AI Foundations:

- Understand ML, DL, and Transformers without tech jargon.
- Know what AI can and can't do for your business.
- Build confidence in evaluating AI solutions.

Navigate the AI Agent Ecosystem:

- Learn how LLMs, Memory, and Tools interconnect.
- Discover the essence of "agentic" AI.
- Explore real examples of AI transforming businesses.

Activate Core Building Blocks:

- Master prompt engineering.
- Use RAG for business knowledge integration.
- Create frameworks for agent performance evaluation.

Design & Deploy Real Solutions:

- Develop AI workflows to solve business challenges.

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## First into AI agents in workflows - Agentic Process Automation (APA)

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[illegible]

Based on community responses:

[illegible]

APA paper: <https://share.botnirvana.org/Ws16>

OCR 2.0 paper: <https://share.botnirvana.org/Ws17>

Text-to-SQL Generation Methods: <https://share.botnirvana.org/Ws18>

[illegible]

Agents in Software: <https://share.botnirvana.org/Ws1A>

SWE-agent: <https://share.botnirvana.org/Ws1B>

AgentOps: <https://share.botnirvana.org/Ws1C>

RAG & Beyond: <https://share.botnirvana.org/Ws1D>

Small Language Models (SLMs): <https://share.botnirvana.org/Ws1E>

AGENTLESS: Demystifying Agents: <https://share.botnirvana.org/Ws1F>

Gen AI: Too Much Spend, Too Little Benefit?: <https://share.botnirvana.org/Ws1G>

We are collating the best AI papers here: <https://share.botnirvana.org/Ws1H>

## What are your favorite AI & Automation papers?

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Example 4: Human Intervention: Licensing support manually navigates websites for licensing requirements.

Example 5: Knowledge Review: Manually searches the knowledge base for carrier policies and

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## ☹ The Fatal Flaws of BPO:

- ## 🔍 The AI agent Revolution Changes Everything:

- ### Major Opportunities Emerging:

- ### Key Players Already Moving:

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ADAS (Automated Design of Agentic Systems) changes AI agent design.

- Discovers novel agent designs automatically
- Creates solutions humans haven't thought of
- Transfers knowledge across different domains
- Consistently outperforms traditional approaches

Why?

- AI agents can now write code to create better AI agents
- They maintain superior performance across different domains
- These new agents consistently outperform human-designed ones

This is just the beginning of automated AI system design.

What do you think?

Paper: <https://share.botnirvana.org/SNnQ>

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☞ The secret to successful automation isn't shiny AI tools.

☞ It's not about the latest RPA or AI tools. It's about mastering your processes first.

☞ Here's the real difference between companies accelerating with automation and those stuck in a rut:

☞ 60-70% of the time, it's due to poorly defined/illegible processes.

☞ 20% of the time, it's about not choosing the right process.

, 10% is about not leveraging existing tools correctly

☞ Less than 5% is about choosing the right tools

☞ So, if you're feeling overwhelmed about AI, focus on refining your processes first. As AI evolves, it can enhance and turbocharge those processes.

, Quality processes are your first step to success!

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Here's a simplified breakdown:

❗️ AI Agents are designed for lower-volume complex tasks that are open for creative solutions. It's best to leverage the reasoning LLMs for planning and execution for best results (and so higher costs).

It's not about which technology wins but which technology or tool to use for your current use case.

So understanding this distinction can help you choose the right technology to automate efficiently.

Join our next session on Agentic automation:  
<https://community.botnirvana.org/events/FC974F>

❓ How do you see this transforming automation?

Εξαιρετικά αποτελέσματα στην εξυπηρέτηση των πελατών, με την αξιοποίηση της τεχνητής νοημοσύνης και της ανάλυσης δεδομένων. Η Citi είναι η πρώτη τράπεζα στην Ελλάδα που έχει υλοποιήσει την πλήρη αυτοματοποίηση των διαδικασιών της, με την εφαρμογή της τεχνητής νοημοσύνης και της ανάλυσης δεδομένων. Η Citi είναι η πρώτη τράπεζα στην Ελλάδα που έχει υλοποιήσει την πλήρη αυτοματοποίηση των διαδικασιών της, με την εφαρμογή της τεχνητής νοημοσύνης και της ανάλυσης δεδομένων.

Here are some amazing use cases from Citi:

🔍 Personalized Experiences: AI tailors advice, loans, and savings for individual needs.

🛡️ Improved Risk Management: Real-time risk profiling and predictive modeling enhance underwriting.

📈 Predictive Forecasting: Enables proactive financial planning with accurate predictions.

🔒 Enhanced Security: AI-driven measures bolster KYC, fraud prevention, and compliance.

📊 Investment Optimization: Dynamic strategies and market alerts for better decisions.

The future of finance is not just about automation, it's about creating personalized, efficient, and secure solutions.

As AI evolves, expect even more innovations in the financial industry.

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🤖™ Unpopular opinion: The Agentic AI revolution looks suspiciously like every other tech circus we've seen in 15 years.

We've watched this movie before.

Cloud, Crypto, RPA, Gen AI, and now.. AI agents.

Here's what we are seeing right now with Agentic AI:

10,000 LinkedIn posts about "Cool agentic AI demos & solutions" ,úÖ

VCs throwing money at anything with "AI" in the pitch deck ,úÖ

50 people discussing hypothetical job loss concerns ,úÖ

5 people building something genuinely useful ,úÖ

The hype-to-value ratio? Perfectly consistent with every tech wave we've survived.

When do more of us get to solving real problems from just riding this hype?

Image source: programmerhumor .io

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🤖Ø Follow for Agentic AI, Gen AI & RPA trends: <https://share.botnirvana.org/i2UI>

#AI #innovation #technology #automation

779

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The graphic from McKinsey brilliantly sums up the evolution of AI:  
 1. Traditional AI: Rigid and reliable, best for repeatable, unchanging tasks.  
 2. Gen AI: Context-aware and creative, but still needs a lot of human guidance.  
 3. Agentic AI: Fully autonomous, adaptive, and capable of end-to-end, complex decision-making.

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3. Agentic AI: Fully autonomous, adaptive, and capable of end-to-end, complex decision-making.

Why does this matter? Because agentic AI isn't just another tool, it's a whole new operating model.

Here's a quick checklist for making agentic AI actually work:

- Give them a clear job description. Know what you want your AI agents to do, and measure it.
- Set up governance. Build in transparency and accountability just like you would with a new executive hire.
- Let them free up your human talent as agents manage workflows and handle those tasks.

Massive upside, but only if managed thoughtfully.  
Treat agentic AI like you treat your top talent.

- Define their role.

Εύκολο να καταλάβει ο άνθρωπος, να μιλάει με τον άνθρωπο, να κάνει πράγματα που ο άνθρωπος μπορεί να κάνει, να κάνει πράγματα που ο άνθρωπος δεν μπορεί να κάνει. Αυτό είναι το όνειρο της τεχνητής νοημοσύνης.

Here's the difference that 90% get wrong... 🤖

🤖 RPA is like a trained bot:

- Follows predefined paths
- Can't think or adapt
- Needs constant supervision
- Breaks when rules change

🧠 AI Agents are like skilled assistants:

- Create their own workflows
- Adapt to new situations
- Learn from experience
- Make dynamic decisions

RPA follows YOUR process.

AI Agents CREATE their process.

The companies that understand this difference will disrupt industries in 2025.

What do you think?

It doesn't have to be that way. Avoid these automation pitfalls:

❌ Unrealistic timelines.

✅ Instead: Plan for phased implementation over months, not weeks

❌ Overambitious goals.

✅ Instead: Set realistic ROI, incremental targets that compound over time

❌ Perfectionism paralysis (especially in doc processing)

✅ Instead of 100% accuracy upfront, think iterative & continuous improvement

❌ Technology/Tools overload.

✅ Instead: Start with high-impact, low-complexity processes and scale gradually

❌ Chasing vanity metrics.

✅ Instead: Focus on tangible business outcomes and continuous value tracking.

Let's STOP sabotaging your automation projects! 🛑

Remember: Successful automation is a marathon, not a sprint.

Patience, strategy, and realistic expectations are your best allies in this journey.

What do you think?

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The Agentic Process Automation (APA) landscape is evolving rapidly, and we're keeping a close eye on it.

Here's what we're seeing:

• Cloud Providers: Microsoft, IBM, Amazon, etc., are integrating AI agent capabilities into their cloud platforms.

• RPA Vendors: UiPath, Automation Anywhere, etc., are adding agentic capabilities to their RPA offerings.

• DPA/Low-code Vendors: Camunda, etc., are embedding AI agents into their process automation platforms.

• iPaaS Vendors: Mulesoft (Salesforce), Workato, etc., are enhancing their integration platforms with AI agents.

• AI-First Vendors: LangChain, Relevance AI, etc., provide frameworks for building and deploying AI agents.

• Innovative Players: Kognitos, Orby AI, etc., offer new approaches to AI-Agent powered automation.

• Traditional automation players (RPA, BPA, iPaaS) are converging with APA.

Are we missing any tools? Are you an APA player or know of any that's not mentioned, let's know in the comments. 489 9.98 16

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Here's the complete breakdown of tools that are changing the game:  
 (Refer to the image for the tools. Check the link in the comments)

2üöÄ Productivity (11 tools): Autonomous research, task management & workflow automation

2üíÄ,Äç,ôÇÔjè Customer Service (5 tools): 24/7 support automation, intelligent ticket resolution  
 & customer interaction management

2üè• Healthcare (2 tools): Medical AI assistance, health data analysis & clinical decision support

2üí∞ Finance (2 tools): Financial planning, risk assessment & automated market analysis

2üí° Sales (2 tools): Sales automation, lead generation & customer relationship management

2üõ†Ôjè Developer Tools (10 tools): Code assistance, automated testing & development workflow  
 optimization

2üß† Foundation Models (15 tools): Base AI frameworks, language processing & reasoning engines

2üšù Multi-Agent Systems (12 tools): Collaborative AI networks, swarm intelligence & distributed  
 AI Agents are the next big thing in AI & Automation. 686 9.21 16

So, here are 36 AI Agent Ideas for you.

What do you think? 581 7.88 16

Επιπροσθέτως, υπάρχουν και οι αυτοματισμοί

οι οποίοι χωρίζονται σε δύο κατηγορίες: οι απλοί αυτοματισμοί (RPA) και οι προηγμένοι αυτοματισμοί (IPA).

Ωστόσο, πολλοί άνθρωποι συγχέουν αυτές τις έννοιες, από τα εργαλεία έως τους πράκτορες.

Εδώ είναι μια ανακεφαλαίωση του τι σημαίνει καθένα για εσάς και τον οργανισμό σας:

👤 RPA/DPA/IA: Ο ψηφιακός εργαζόμενος

- Χειρίζεται επαναλαμβανόμενες εργασίες
- Υψηλό κόστος εγκατάστασης
- Ιδανικό για δομημένη εργασία

🗨️ Chatbots: Ο ψηφιακός υποδοχέας

- Απαντάει βασικές ερωτήσεις
- Μέτριο κόστος εγκατάστασης
- Ιδανικό για εξυπηρέτηση πελάτη

🧠 Copilots: Ο ψηφιακός βοηθός

- Προσφέρει προτάσεις στο πλαίσιο του контексту
- Χρειάζεται μέτρια καθοδήγηση
- Ενισχύει την παραγωγικότητα

The AI world is about to undergo a radical transformation - the landscape will look completely different by 2026.

Nvidia Just Declared: The Future Is SLMs, Not Bigger LLMs.

Hybrid SLM systems have just achieved:  
- 50x reduction in inference cost for on-device use  
- 10x reduction in training cost for structured outputs

As per their groundbreaking 2025 research, hybrid SLM systems have just achieved:

- 50x reduction in inference cost for on-device use
- 10x reduction in training cost for structured outputs

But wait, it gets crazier.

Even OpenAI (yes, the "bigger is better" company) just proved this with GPT-4b Micro.

They achieved a 50x breakthrough in longevity science using a FRACTION of the LLM parameters.

Results? New proteins that outperform previous benchmarks with faster cell reprogramming. Game-changing stuff.

we are SICK of all the AI & Automation buzzwords

So we decided to translate them into simple terms:

- Artificial Intelligence: linear regression & decision trees
- Generative AI: Mix and match, create random stuff
- LLMs: Advanced Text Autocomplete
- Foundation models: Another fancy term for LLMs
- Advanced Analytics: SQL
- Conversational AI: Chatbots with basic linear regression
- Low code: Proprietary development for a premium price
- RPA: Rule-based automation using screens
- Intelligent Automation: Screen automation with basic linear regression
- Hyperautomation: Peak Hype for Digital Automation
- Centre of Excellence: Another corporate fancy team name

586

12.77

15

Are AI Agents another "Intelligent Automation"? 🤖

First came the LLMs (ChatGPT, Claude, Gemini)

Then came "AI RPA" ( (Computer Use, Project Mariner)

Now we're seeing LLM turning into API (Anthropic MCP) ...

So, yes they are coming for Digital Automation.

But AI Agents are different...

👉 Here's why:

- They "Plan" - break down tasks into logical steps

- They coordinate multiple systems simultaneously

- They learn from feedback and adapt responses

- They understand natural language instructions

- They intelligently invoke tools & act

AI Agents aren't just automation tools...

They're intelligent partners that grow and adapt with you.





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¿üí° Here are 100 ideas.

Download more formats and in high resolution here:

<https://share.botnirvana.org/ix31>

Are you ready to integrate AI agents, and if so, where are you at?

559

7.7

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They are mostly friends ¿üòÖ

RPA and API are secret besties.

RPA texts API at 2 AM for help ¿üòÇ

API pretends to be annoyed but always helps ¿üòÉ

What do you think?

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¿üéØ Follow for Agentic AI, Gen AI & RPA trends: <https://share.botnirvana.org/XKF4>

#AI #innovation #technology #automation

603

11.51

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2020-2025 RPA Market Size, Growth, and Forecast  
2020-2025 RPA Market Size, Growth, and Forecast

Here's why RPA is still alive and kicking:

2020-2025 RPA Market Size

2020-2025 RPA Market Size

2020-2025 RPA Market Size

Breaking it down:

,Ä¢ That's \$8.7M in RPA spending DAILY

,Ä¢ 2X faster growth than regular software

,Ä¢ Beating 74 other software categories (top 7/ 81)

2020-2025 RPA Market Size

,Ä¢ Automation is STILL eating the world

,Ä¢ Companies are investing heavily in AI & Automation

,Ä¢ Skills gap is widening though - keep up with Gen AI & AI agents

,Ä¢ Career opportunities are exploding for those who are keeping up

The message is clear:

AI & RPA Automation isn't just surviving. It's THRIVING.

What do you think?

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Here's the evolution from simple scripts to fully autonomous systems, as described in the Agentic AI book.

Note how capability and autonomy increase while human control decreases as we climb the ladder:

🔄📝 Level 1 - Rule-Based Automation: Simple rules, no intelligence. E.g., RPA copying data.

🔄📈 Level 2 - Intelligent Automation: AI-enhanced, handling unstructured data. E.g., Customer service bots based on the FAQ

,öôÔ[]è Level 3 - Agentic Workflows: Uses IA models, reasoning, and self-aware tool use. E.g., trading agents that execute complex financial transactions based on market conditions

,ú® Level 4 - Semi-Autonomous Systems: Works independently, breaking down goals & learns from outcomes. E.g., Medical diagnosis agents that analyze patient data and recommend treatment plans

🔄👤 Level 5 - Fully Autonomous Systems: This is still theoretical, handling any goal. Example: Universal personal assistants.

As we advance through these levels, we face a crucial dilemma:

776

10.67

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[illegible]

Here's the hype vs reality:

## ☐üé≠ The Lies:

"RPA is dead"

"OCR is obsolete"

## "Everyone's using AI agents"

"GenAI has replaced everything"

"You need AI for every business process"

Let's look at the data... ☹️

## ☐ The Reality:

## Most successful companies use a hybrid approach

## Intelligent Automation still delivers in-year ROI

IA processes billions of transactions daily

RPA market: \$3.2B & growing at 22.1%!

## GenAI enhances rather than replaces

## Every tool has its sweet spot

Stop chasing headlines. Start building solutions that work.

The most successful companies aren't all-in on AI - they're all-in on results.

395

7.14

14

The future of AI lies in creating agents that don't just learn once but continue to evolve throughout their existence. Lifelong Learning is the key, and here, how you can integrate it into a language model-based agent:

The future of AI lies in creating agents that don't just learn once but continue to evolve throughout their existence. Lifelong Learning is the key, and here, how you can integrate it into a language model-based agent:

#### Perception Module :

Enhance the agent's ability to handle multimodal inputs (textual, visual, auditory).  
 Integrate and process diverse inputs for a better understanding of the environment.

#### Memory Module :

Develop architectures that store and retrieve growing knowledge without forgetting.  
 Use techniques like experience replay and model-agnostic meta-learning (MAML).

#### Action Module :

Implement decision-making that refines with new experiences.  
 Employ Reinforcement Learning algorithms like DQN, PPO, or Actor-Critic methods.

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Everyone thought RPA was "screen scraping" because that was the flashy part.

They missed the point entirely.

RPA wasn't about clicking buttons - it was about human-machine orchestration.  
 Now with agentic AI, we're entering a new age of networked orchestration.

## 2020-2021 FROM RPA TO AGENTIC AI: The Orchestration Evolution

After 10 years in intelligent automation, here's the evolution I see.

2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021  
 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021

- Focus: Replace repetitive human tasks with bots
- Model: Orchestration of Human + Bot
- Bottleneck: Bot maintenance

2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021  
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Automation is evolving rapidly, and businesses face a critical choice: stick with traditional RPA or em

1058	14.32	14
334	7.88	14

👉 Congratulations! You're part of the first generation that automated itself out of a career!

Image: IT Humor and Memes

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://share.botnirvana.org/Y4au>

#AI #innovation #technology #automation

614

11.27

14



Ευχαριστώ πολύ για την προσφορά της γνώσης και της εμπειρίας σας. Ημερομηνία: 15/10/2023. Το παρόν έγγραφο αποτελεί μέρος της συλλογής των εργασιών μου και είναι διαθέσιμο για προσωπική χρήση. Δεν πρέπει να αναπαραχθεί ή να διανεμηθεί χωρίς την άδεια μου. Ευχαριστώ ξανά για την βοήθειά σας.

Master these 6 essential skills to get ahead:

1. Know the landscape of AI models for agent development

- Know the landscape of AI models for agent development
- Understand model capabilities, tool calling, and performance optimization for agentic systems

Resources: Try out models w/ OpenWebUI or LM Studio, YouTube demo videos

2. Craft instructions that enable agents to reason and act autonomously

3. Master chain of thought, structured outputs, and dynamic prompting for agent interactions

- Craft instructions that enable agents to reason and act autonomously
- Master chain of thought, structured outputs, and dynamic prompting for agent interactions

Resources: Eugene Yan's Prompting Guide, DAIR AI Prompt Engineering Guide

4. Transform generic AI agents into domain-specific experts

5. Learn vector databases, semantic search, and intelligent chunking for agent knowledge retrieval

Transform generic AI agents into domain-specific experts

Learn vector databases, semantic search, and intelligent chunking for agent knowledge retrieval

Resources: Greg Kamradt's Fullstack Retrieval Series

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## • BYO AI solutions by departments

## • Security oversight

## • Built & Blended AI systems

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Stop manually researching, coding, and managing workflows.

These 7 AI agents are already outperforming humans.

2úüîç Deep Research Agents:

Tools like Grok and Gemini Advanced synthesize reports from multiple sources.

2úüö†Ô∏è Tool-Calling Agents:

With Claude Desktop + MCP, AI autonomously carries out intelligent actions.

2úüñ±Ô∏è Computer Use Agents:

They control your computer,Äclicking, typing, & scrolling to automate tasks.

,öôÔ∏è Workflow Automation Agents:

AI automates entire workflows,Äfrom form submissions to Slack notifications.

2úüö RAG Agents:

AI accesses internal documents for instant answers,Äno retraining needed.

2úüíª Coding Agents:

579

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We built an AI agent team that automated 4 hours of sales research in just 10 minutes

In this step-by-step guide, I demonstrate how ANYONE can create a powerful AI agent team using Relevance AI, even with zero technical experience.

Here's what I cover:

- How to design a 3-agent system with a manager agent and specialized sub-agents
- The simple 4-step framework for building ANY successful AI agent team
- A complete workflow map that you can implement TODAY

The best part? This same approach works for customer service, operations, document processing, and dozens of other business applications.

Watch the video to see the step-by-step implementation.

What is the difference between RPA and AI Agents?  
RPA follows predefined paths, while AI Agents can think, adapt, and learn from experience.

Here's the difference that 90% get wrong... 🤖

🤖 RPA is like a trained bot:

- Follows predefined paths
- Can't think or adapt
- Needs constant supervision
- Breaks when rules change

🤖 AI Agents are like skilled assistants:

- Create their own workflows
- Adapt to new situations
- Learn from experience
- Make dynamic decisions

RPA follows YOUR process.

AI Agents CREATE their process.

The companies that understand this difference will disrupt industries in 2025.

What do you think? -

438

6.32

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Εξαιρετικά αποτελέσματα στην εξυπηρέτηση των πελατών, με την αξιοποίηση της τεχνητής νοημοσύνης και της ανάλυσης δεδομένων. Η Citi είναι η πρώτη τράπεζα στην Ελλάδα που έχει υλοποιήσει την πλήρη αυτοματοποίηση των διαδικασιών της, με την εφαρμογή της τεχνητής νοημοσύνης και της ανάλυσης δεδομένων. Η Citi είναι η πρώτη τράπεζα στην Ελλάδα που έχει υλοποιήσει την πλήρη αυτοματοποίηση των διαδικασιών της, με την εφαρμογή της τεχνητής νοημοσύνης και της ανάλυσης δεδομένων.

Here are some amazing use cases from Citi:

🔍 Personalized Experiences: AI tailors advice, loans, and savings for individual needs.

🛡️ Improved Risk Management: Real-time risk profiling and predictive modeling enhance underwriting.

📈 Predictive Forecasting: Enables proactive financial planning with accurate predictions.

🔒 Enhanced Security: AI-driven measures bolster KYC, fraud prevention, and compliance.

📊 Investment Optimization: Dynamic strategies and market alerts for better decisions.

The future of finance is not just about automation, it's about creating personalized, efficient, and secure solutions.

As AI evolves, expect even more innovations in the financial industry.

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ø¶çΩΩ°øÅ!

## Here is how Samsung is Doing It:

- Organizes SCP's vast data ecosystem
- Indexes logs, metrics, and Kubernetes documentation
- Creates a dynamic library of real-time platform data

- Interprets queries with natural language processing
- Retrieves targeted information from the indexed knowledge base
- Provides contextually spot-on responses

- Feeds retrieved data to the chat interface
- Generates clear, actionable, and tailored answers

- Combines LLMs with real-time, domain-specific data

Ευρωπαϊκή Επιτροπή, 2023. Η Ευρωπαϊκή Επιτροπή.

Ευρωπαϊκή Επιτροπή, 2023. Η Ευρωπαϊκή Επιτροπή.

Ευρωπαϊκή Επιτροπή, 2023. Η Ευρωπαϊκή Επιτροπή.

Ευρωπαϊκή Επιτροπή, 2023. Η Ευρωπαϊκή Επιτροπή.

Ευρωπαϊκή Επιτροπή, 2023. Η Ευρωπαϊκή Επιτροπή.

- Light & open-source LLMs
- Multistage LLM chains
- Model hubs & diffusion AI
- AIaaS for scalable AI services

Ευρωπαϊκή Επιτροπή, 2023. Η Ευρωπαϊκή Επιτροπή.

- Knowledge graphs
- AI-generated synthetic data
- Scalable vector databases
- GenAI engineering tools

Ευρωπαϊκή Επιτροπή, 2023. Η Ευρωπαϊκή Επιτροπή.

- Simulation twins & GenAI-native apps
- Enhanced workflow tools
- Multiagent generative systems



• Our hot-off-the-press APA report spills ALL the details:  
• How AI Agents are rewriting the automation game  
• The tech mashup (RPA + DPA + iPaaS + Process mining+ AI agents) that,Âs pure magic  
• LLMs & LAMs unlocking next-level Automation vibes  
• Who,Âs winning the APA race (capabilities, strengths, and weaknesses)  
• The ROI goldmine: How APA brings value - save cash, move fast, crush the competition  
• Your step-by-step APA takeover plan

Ready to ditch the old playbook and go full-on AI automation?

253

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13

Mind Blown! 🤯 This image perfectly captures the surprising truth about AI coding!

You buy tokens, hit 'Generate,' and pray for a bug-free jackpot...

But there is only one winner in the end. 🏆

Hint: It's not you 🤖

How do we move beyond 'vibe coding' and truly harness AI's power for valuable outcomes?

----

Repost if this helped you see the shift ,ôâÔΠè

980

13.18

13

AI is revolutionizing task completion. Here's the scoop:

AI's Progress: Every 7 months, AI doubles the length of tasks it can perform with 50% reliability.

Current Capability: Claude 3.7 can handle tasks for 1 hour.

5-Year Estimate: AI will complete tasks taking human engineers a month.

Current Limitations: Real-world "messy" tasks challenge AI, but improvements are ongoing.

AI is evolving rapidly, and the implications are staggering.

AI is the future. Are you ready to harness its power? <https://share.botnirvana.org/WUHN>

Check out the report:  
<https://share.botnirvana.org/WUHO>

[illegible]

80-90% of the world's data exists in unstructured formats. ?üÑ

We're solving this massive challenge with AI agents! 🤖•

Here is the AI agent team (ready for any client)

## Üb 1 Manager Agent delegates tasks

❓ Extraction Agents pull data using AI models

### • Evaluator Agent verifies uncertain extractions

## ❓ Application Agent pushes to systems

### ❓ Communication Agent sends notifications

Here is an example implementation for a recent client:

1. User places invoice PDFs/images in a monitored folder

721

9.95

13

[illegible]

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Επιπροσθέτως, υπάρχουν και οι αυτοματισμοί

οι οποίοι χωρίζονται σε δύο κατηγορίες: οι απλοί αυτοματισμοί (RPA) και οι σύνθετοι αυτοματισμοί (IPA).  
Οι απλοί αυτοματισμοί (RPA) είναι οι πιο συνηθισμένοι και βασίζονται στην επανάληψη απλών εργασιών.

However, most people confuse these types of AI, from IA to agents.

So here is a breakdown of what each of them means to you and your org:

👉 RPA/DPA/IA: Your digital worker

- Handles repetitive tasks
- High setup effort
- Perfect for structured work

👉 Chatbots: Your digital receptionist

- Answers basic questions
- Medium setup effort
- Great for customer service

👉 Copilots: Your smart assistant

- Makes contextual suggestions
- Medium guidance needed
- Boosts productivity

It uses specialized AI agents & people in a workflow to autonomously resolve tickets.

Here is how it works:

- Incident Creation: Business users submit support tickets via the IT portal.
- Workflow Trigger: The software incident support workflow is initiated to resolve.
- Incident Classification Agent: AI classifies the ticket and assigns it to the right agent.
- Incident Analysis Agent: Analyzes past articles, SOP's, etc for similar fixes and solutions.
- Solution Validation/Escalation: Agent validates solution w/KB else escalates to Human L3.
- Human-in-the-Loop: Humans validate and fully implement the resolution before finalizing.
- Resolution Completion & Update: The resolution agent updates the status in the system for users.
- Workflow Monitoring and Metrics: The system tracks interactions and reports metrics for improvements.

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Everyone talks about it.

Nobody really knows how to do it.

Everyone thinks everyone else is doing it...

So everyone does pilots to claim they are doing it üä

Stop building Agentic AI pilots. Instead, add controlled agents with APA.  
Download our 80-page report: <https://botnirvana.com/agentic-process-automation-apa-report/>

----

Repost if this helped you see the shift ,ôâÔè

698 9.35 12



🔹 Data, not AI, is the real challenge companies face.

🔹 The MIT Tech Review w/ insights from 205 C-level executives lays it out:

• Most companies face data, infra, and risk mgmt challenges, not AI problems.

🔹 95% use AI, but only 1-3 use cases:

• Ambition vs. execution gap.

🔹 Data quality and liquidity are bottlenecks:

• No success without trusted data.

🔹 Governance, security, privacy, slow AI:

• Safety over speed.

🔹 Specialized AI use cases drive value:

• Custom applications differentiate.

🔹 Legacy systems drag AI ambitions:

• Retrofitting AI is costly.

🔹 Cost realities hit hard:

• Realistic ROI models needed

Building AI success starts with solving today's hard problems.

What do you think?

701

10.08

12

When you need to have 20+ years of experience that recruiters need for your first job

Note the "+" after 20

Pro tip: Ask the recruiter how many years of experience they have themselves

#ChatGPT #AI #innovation #technology	477	11.11	12
Model Context Protocol (MCP) transforms AI agents into fully autonomous systems, representing a fu	275 -		12
AI Agents are the next big thing in AI & Automation.			
So, here are 36 AI Agent Ideas for you.			
What do you think?	759	12.76	12

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12

## 📄📄📄 BCG's Latest Report: 10 Key Insights on AI Agents You Can't Miss!

Last week, BCG's AI Platforms group unveiled a pivotal report on AI Agents, MCP, and A2A.

Here's what you need to know:

🔍🔄 AI Agents Evolution: From basic if-statements to complex autonomous reasoning.

🔍🔄 Agentic vs. Autonomous: Predictability vs. flexibility in workflows.

🔍🔄 Model Context Protocol (MCP): Exposes tools to LLMs for reliable AI agents.

🔍🔄 MCP Adoption: Giants like OpenAI and Google are on board.

🔍🔄 MCP's Role: Enhances reasoning, autonomy, memory, and reliability.

🔍🔄 Agent Reliability: Studies on tool use and task handling.

🔍🔄 Agent Autonomy: Can tackle expert tasks but faces reliability challenges.

🔍🔄 Security Concerns: New risks like malicious tools require robust measures.

🔍🔄 Future of AI Agents: A blend of assistive, rule-based, and adaptive agents.

The 37-slide report dives into:

1/ Agents' evolution

2/ Product-market fit

3/ Reliability and effectiveness

4/ MCP's role in scaling

The future of AI is here. Are you ready to embrace it?

684

12.82

12

Microsoft | AI Adoption Guide: Lessons from OpenAI  
Introduction  
Getting started with AI  
Embedding AI in products  
Automating tasks  
Empowering experts  
Unblocking developers  
Setting automation goals  
Take the next step

Here are the lessons to guide your adoption journey from OpenAI:

Start with evals: Rigorous evaluations ensure AI aligns with your use cases for optimal performance.

Embed AI in products: Create personalized customer experiences with AI-driven relevance and responsiveness.

Invest early: Early AI adoption compounds value, driving long-term efficiency and innovation.

Customize models: Fine-tune AI to your data for accurate, industry-specific results.

Empower experts: Equip employees with AI to solve unique challenges efficiently.

Unblock developers: Streamline development with AI platforms for faster, consistent app creation.

Set bold automation goals: Automate rote tasks to free teams for high-impact work.

Take the Next Step: Embrace AI with an experimental mindset and rigorous evals to unlock workforce performance, automate operations, and power products.

Microsoft now has powerful RPA/APA/Agentic Automation options.  
Here,Âs the breakdown:  
1. Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.  
2. User-Friendly: Natural language tasks, no coding, full visibility.  
3. Use Cases: Automates data entry, research, and more.

Microsoft now has powerful RPA/APA/Agentic Automation options.

Here,Âs the breakdown:

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2. User-Friendly: Natural language tasks, no coding, full visibility.  
3. Use Cases: Automates data entry, research, and more.

Copilot Studio,Âs new "computer use" w/AI agents interacts directly with websites and desktop apps by navigating GUIs.  
(This is like Anthropic Computer use, Open AI Operator, etc - Check links in comments)

- Intelligent & Adaptive: Real-time adjustments ensure smooth workflows.
- User-Friendly: Natural language tasks, no coding, full visibility.
- Use Cases: Automates data entry, research, and more.

2. New! UiPath + Microsoft Integration:

The bidirectional integration between UiPath Studio and Copilot Studio enables developers to orchestrate automations across both platforms.

	439	8.27	12
AI agents need these 3 things to be smart! I discuss each of these from the best-selling book, "Agentic	855	19.52	12

Ευχαριστώ πολύ για την προσφορά της γνώσης και της εμπειρίας. Ημερομηνία: 10/10/2023. Το παρόν έγγραφο αποτελεί μέρος της συλλογής των εργασιών μου και είναι διαθέσιμο για προσωπική χρήση. Δεν πρέπει να αναπαραχθεί ή να διανεμηθεί χωρίς την άδεια μου. Ευχαριστώ για την προσοχή σας.

Master these 6 essential skills to get ahead:

1. Know the landscape of AI models for agent development

- Know the landscape of AI models for agent development
- Understand model capabilities, tool calls, and performance optimization for agentic systems

Resources: Try out models w/ OpenWebUI or LM Studio, YouTube demo videos

Try out models with OpenWebUI: <https://openwebui.com/>

Try out models with LM Studio: <https://lmstudio.ai/>

YouTube demo video: <https://lnkd.in/g3V5A3Np>

2. Craft instructions that enable agents to reason and act autonomously

3. Master chain of thought, structured outputs, and dynamic prompting for agent interactions

- Craft instructions that enable agents to reason and act autonomously
- Master chain of thought, structured outputs, and dynamic prompting for agent interactions

Resources: Eugene Yan's Prompting Guide, DAIR AI Prompt Engineering Guide

Eugene Yan's Prompting Guide: <https://lnkd.in/gMqAtt52>

DAIR AI Prompt Engineering Guide: [https://lnkd.in/gVWdv\\_4v](https://lnkd.in/gVWdv_4v)

4. Understand model capabilities, tool calls, and performance optimization for agentic systems

5. Try out models w/ OpenWebUI or LM Studio, YouTube demo videos

326

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Employees are NOT using it - they don't see the value or don't know how to.  
And I know exactly why...  
All fancy AI licenses are worthless because you are:  
• Throwing licenses at employees  
• Forcing top-down adoption  
• Assuming people will "figure it out"  
• Focusing only on technology

The truth?

Having AI isn't enough; effective adoption is key.

Here's what successful companies do differently (5Es):

- Educate: Show AI capabilities w/ use cases & benefits
- Empower: Provide proper training and support
- Enable: Create space for experimentation
- Engage: Address concerns openly



10 ways your AI procurement contract can make (or break) your company's future.

Most IT & Procurement teams miss these.

Want to avoid them? Ensure below:

- Data protection - Clear roles and transparent processing requirements
- Training data - Lawful usage and contractual assurances needed
- Data usage - Define clear limits for input/output confidentiality
- EU AI Act - Risk management and verification requirements
- Sector rules - Industry-specific compliance and provider support
- Liability - Cover risks with indemnities and limitations
- Cybersecurity - Strong security measures in contract terms
- Cost control - Transparent pricing and long-term stability
- Vendor lock-in - Exit strategy and migration support
- ESG policies - Environmental and social governance alignment

Please don't let poor AI contracts affect your implementation.

Check out this complete guide from Deloitte Legal.

## 🔗 The AI Governance Roadmap: A Game-Changer for Organizations!

Powerful AI needs effective oversight to harness its potential responsibly.

Here, we explore how organizations can establish robust AI governance:

🔗 Governance: Establish clear accountability frameworks for AI decision-making and oversight.

🔗 Performance: Regular KPI reviews ensure AI delivers measurable business value.

🔗 Risk: Proactive risk assessment prevents regulatory, ethical, and technical failures.

🔗 Talent: Development programs bridge AI expertise gaps across all organizational levels.

🔗 Strategy: Align AI initiatives with business objectives to maximize competitive advantage.

🔗 Culture and Integrity: Transparency builds stakeholder trust and ensures responsible AI adoption.

Check out the Deloitte AI roadmap.

What do you think?

👉 OCR-2.0 is here, and it's about to make your life 10x easier:

Traditional OCR is struggling to keep up, but GOT (General OCR Theory) AI model is changing the game:

👉 It's a super-smart AI model:  
580 million parameters for unparalleled accuracy  
Outperforms all existing OCR methods

👉 It sees like a human, thinks like a computer:  
Vision-Encoder turns images into data the AI can understand  
Decoder generates text in various formats (plain text, markdown, Mathpix)

👉 It's a quick learner:  
Pre-trained on diverse document types  
Fine-tuned for specific tasks like formulas and geometry

👉 It's a heavy lifter:  
Handles complex tasks traditional OCR struggles with  
Processes sheets, formulas, and geometric shapes with ease

👉 It's breaking records:  
0.035 edit distance (incredibly low error rate)  
0.972 BLEU score (high accuracy in text generation)

👉 It's future-ready: 699 15.38 11  
Unsupervised Machine Learning. 🚀

This led to the Foundation models of today. 🚀 324 7.2 11



Now we have many hammers...

[illegible]

Here's the hype vs reality:

## ☐üé≠ The Lies:

"RPA is dead"

"OCR is obsolete"

## "Everyone's using AI agents"

"GenAI has replaced everything"

"You need AI for every business process"

Let's look at the data... ☹️

## ☐ The Reality:

## Most successful companies use a hybrid approach

## Intelligent Automation still delivers in-year ROI

IA processes billions of transactions daily

RPA market: \$3.2B & growing at 22.1%!

## GenAI enhances rather than replaces

## Every tool has its sweet spot

Stop chasing headlines. Start building solutions that work.

The most successful companies aren't all-in on AI - they're all-in on results.

604	10.93	11
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This video explores the 5 revolutionary breakthroughs that transformed artificial intelligence: rule-ba

85                      2                      11

Building AI agents or AI apps is 5% AI and 95% software engineering.

So, Software engineers are well placed for this emerging opportunity vs ML engineers.

Here is why:

🔄 Agile Development: AI agent/app development requires adaptability. Software engineers thrive here, unlike ML engineers who focus on data & algorithms.

👤 Application-First Mindset: AI agents need an app-first approach. Software engineers prioritize user-friendly products, unlike ML engineers focusing on models.

🔗 Strong Integration Skills: AI agents/apps require seamless component integration. Software engineers excel with API & UI integrations.

👤 Understanding User Experience (UX): AI agents need user-centric designs. Software engineers inherently have this user outlook.

🧪 Thorough Testing: Reliable AI agents need solid end-product testing. Software engineers ensure this, unlike ML engineers who focus on model validation.

If you are a SW Engg, here is how you can transition to AI engineers:

- Master foundational AI concepts: Learn LLM models, Prompt Engg, RAG & Agents
- Develop practical hands-on experience: Build projects with the best LLMs and APIs.
- Embrace iterative development & user feedback: Prioritize user feedback and refinement.

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Here,Âs a simplified breakdown:

Ï Traditional RPA is your go-to for high-volume, repetitive, and structured tasks. It,Âs cost-effective and requires lower cognitive effort, making it perfect for routine operations.

Ï APA (Agnetic process automation) is better for medium to low-volume workflows due to added token costs for LLMs. It is ideal for tasks that require intelligence and need to be controlled.

Ï AI Agents are designed for lower-volume complex tasks that are open for creative solutions. It's best to leverage the reasoning LLMs for planning and execution for best results (and so higher costs).

It's not about which technology wins but which technology or tool to use for your current use case.

So understanding this distinction can help you choose the right technology to automate efficiently.

Join us for the next APA session (link is in the comments)

í How do you see this transforming automation?

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Finally, a comprehensive guide that doesn't cost a dime!

This comprehensive report on arXiv covers:

ðò Basics of NLP and LLMs

ðîß PEFT, LoRA, QLoRA

ðñ Mixture of Experts (MoE)

ðó†Ôè Seven-stage fine-tuning pipeline

óÇÔè Data prep and best practices

<https://share.botnirvana.org/d306>

401

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LangChain, LangGraph, AutoGen, CrewAI, and LangChain are all frameworks for building AI applications. LangChain is a general-purpose framework for building AI applications. LangGraph is a framework for building AI applications that use graphs. AutoGen is a framework for building AI applications that use multiple agents. CrewAI is a framework for building AI applications that use multiple agents and a manager. LangChain is the most popular framework, but LangGraph, AutoGen, and CrewAI are also gaining traction.

Here's what you need to know about them:

### LangGraph (from Langchain)

Graph-based decision making for complex workflows  
Perfect for customer service with hundreds of scenarios  
Strong traceability and granular control

### AutoGen

Built for multi-agent collaboration  
Works like a committee of AI experts  
Microsoft-backed (enterprise advantage)

### CrewAI

Most intuitive framework available  
Mimics human team structures perfectly  
Ideal for project management and creative tasks

### LangChain

615 10.42 10

9 in 10 Digital Transformation initiatives fail (HBR).

But most organizations keep making the same mistakes:

- They try to force a digital transformation with shiny tools.
- An organization's digital environment is not a green field, as many imagine.
- Even in greenfield scenarios, the well-thought-out „Ádream tool,À may not succeed.

What you can do about it:

- Understand the current digital environment, culture, & upcoming tech.
- Instead of thinking of "digital transformation", think of it as digital evolution.
- Start with a business objective and take initial steps (from a worm to a pupa!)
- Allow the 'transformation' to unfold naturally, rather than forcing it with shiny tools.

Be curious, strategize, build capabilities, evolve, scale, and continuously improve.  
That,Às transformation, but it is more of a gradual evolution with digital technologies.

What do you think?

447

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Εάν ο οργανισμός σας έχει ήδη υλοποιήσει κάποια από τις παραπάνω λύσεις, τότε η επόμενη βήμα είναι να αξιολογήσετε την αποτελεσματικότητά τους και να αποφασίσετε αν χρειάζεστε περισσότερη αυτοματισμό. Η αυτοματισμός μπορεί να είναι μια πολύ καλή λύση για να βελτιώσετε την απόδοσή σας, αλλά πρέπει να είστε προσηλωμένοι στην υλοποίησή της. Η αυτοματισμός μπορεί να είναι μια πολύ καλή λύση για να βελτιώσετε την απόδοσή σας, αλλά πρέπει να είστε προσηλωμένοι στην υλοποίησή της.

Here,Âs how I break it down:

1. **Business Process Management (BPM):** The first step in managing business processes.

2. **Digital Process Automation (DPA):** Low-code platforms for end-to-end process automation.

3. **Robotic Process Automation (RPA):** Automation of repetitive tasks through screens/UI & APIs.

4. **Intelligent Automation (IA):** Merging RPA with AI/ML & recently with Gen AI for task automation.

Each step has transformed how we work, making processes more efficient.

But what,Âs next? We,Âre on the brink of a new era where automation technologies converge into agentic systems.

First into AI agents in workflows - Agentic Process Automation (APA)	261	4.7	10
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[illegible]

Here's the difference that 90% get wrong... ?üëá

❓ RPA is like a trained bot:

- Follows predefined paths
- Can't think or adapt
- Needs constant supervision
- Breaks when rules change

👉 AI Agents are like skilled assistants:

- Create their own workflows
- Adapt to new situations
- Learn from experience
- Make dynamic decisions

RPA follows YOUR process.

## AI Agents CREATE their process.

The companies that understand this difference will disrupt industries in 2025.

What do you think?

507

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## AI tool demos and enterprise customers

What do you think?

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Meet APA, where workflows are smarter, faster, and more adaptable.  
With AI Agents, we're not just talking about doing things faster or smarter.  
We're talking about AI which can think, adapt, and execute complex workflows.  
Let's dive into the evolution that is redefining how we think about digital automation.

Remember the early days of automation? RPA was the game-changer, taking over repetitive tasks and freeing up our time. It was all about rule-based automation and manual workflow construction. Centralized robot management made it possible to handle tasks efficiently, but it has its limitations.

Then came Intelligent Automation, a significant leap forward. By integrating AI technologies like machine learning, computer vision, and NLP, IA could process unstructured data and perform predictive analytics. It didn't just automate; it made sense of the data, providing insights and self-healing capabilities. This was the era where automation got smarter and better.

The future of automation with AI just got VERY INTERESTING ...

We've been testing the 3 approaches to automation, and here's why it changes everything

Traditional RPA: (Our tried & tested favorite)

- Rule-based automation
- Manually programmed workflows
- Like a robot following exact instructions
- Perfect for repetitive tasks

Agentic Process Automation / Agentic Automation: (AI agents part of workflows)

- AI agents working within a Workflow
- Agents use LLMs & Plan
- LLMs execute with Tools & Memory
- Great for dynamic workflows

Anthropic's "Computer Use" / Open AI Operator: (AI/LLM doing RPA)

- Direct AI control of your computer
- No workflows or configuration
- Just conversation-based execution
- Another paradigm shift

Will we still need frameworks like UiPath and Automation Anywhere when LLMs can directly control

The AI world is about to undergo a radical transformation - the landscape will look completely different by 2026.

Nvidia Just Declared: The Future Is SLMs, Not Bigger LLMs.

Hybrid SLM systems have just achieved:  
- 10x faster inference for on-device use  
- 50x breakthrough in longevity science using a FRACTION of the LLM parameters.

As per their groundbreaking 2025 research, hybrid SLM systems have just achieved:  
- 10x faster inference for on-device use  
- 50x breakthrough in longevity science using a FRACTION of the LLM parameters.  
Results? New proteins that outperform previous benchmarks with faster cell reprogramming. Game-changing stuff.

But wait, it gets crazier.

Even OpenAI (yes, the "bigger is better" company) just proved this with GPT-4b Micro.

They achieved a 50x breakthrough in longevity science using a FRACTION of the LLM parameters.

Results? New proteins that outperform previous benchmarks with faster cell reprogramming. Game-changing stuff.





we asked ChatGPT to write a battle rap between them. It delivered! 🤖🔥

ChatGPT Prompt: "Write a battle rap between RPA and API"

Verse 1 (RPA):

I'm the robot with the power, RPA's the name

Streamlining processes, automating the game

I make the workplace easier, faster, and more efficient

Making humans look like they're stuck in a torrent

Verse 2 (API):

You may have the speed, RPA, but I've got the brains

Integrating systems, breaking down the chains

I'm the glue that holds the digital world together

Making sure data flows like a mild weather

Verse 3 (RPA):

I can automate tasks with ease, from A to Z

My cognitive abilities are setting new industry standards, can't you see?

I make businesses more profitable, what more could you ask for?

You might be smart, API, but I'm the real tour de force

Verse 4 (API):

You may have the skills, RPA, but I've got the security

Protecting data, ensuring privacy

Without me, all that automation is for naught

718

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265 pages of everything you need to know about building AI agents.

🔗 5 Key Insights from the AI Report You Can't Ignore!

1️⃣ Definitions:

Clear and detailed, leaving no room for abstract confusion.

2️⃣ Reasoning:

Delves deep into core components, enhancing planning and decision-making.

3️⃣ Memory:

Addresses the complexities of agent memory with existing literature insights.

4️⃣ Action Systems:

Explores the future of real-world decision-making by AI agents.

5️⃣ Self-Evolving Agents:

A glimpse into AI's potential to self-improve and build itself.

Full paper: <https://arxiv.org/pdf/2504.01990>

This report is a game-changer for understanding AI agents.

What stood out to you? Share your thoughts below.

350

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AI IS an **ENHANCEMENT** for your software development workflow.

Not a **REPLACEMENT** for your software development skills.

Yes AI can help your productivity in software development.  
But it can't match what real developers do.

- AI,Âs coding-related outputs are **MOST** useful for developers.
- AI hallucinates and writes the **WRONG** code which needs corrections.
- AI can debug code but fails when it comes to **COMPLEX** code solutions.

Btw, note that software development is a lot more than basic code generation:

- Problem solving
- Design
- Unit Testing
- Version control
- Deployment
- Performance optimization
- Collaboration
- Coding standards
- Documentation
- and more...

AI will help with all this. "Help" or "Assist" is the keyword.

$$\frac{d}{dt} \left( \int_{\Omega} u^2 dx \right) = -2 \int_{\Omega} u \Delta u dx + 2 \int_{\partial \Omega} u \frac{\partial u}{\partial n} dS$$
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Here are 5 ways real-world businesses are using AI Chatbots, Copilots & Agents.

## ❓ Improving Decision-Making and Analytics

KPMG Australia: Implemented AI for advanced text analysis, significantly decreasing the time required for compliance assessments.

Insight Canada: Achieved a 93% productivity gain in finance and sales functions by using Copilot to streamline business operations.

Sasfin Bank: Developed a solution on Microsoft Azure to analyze documents, improving data-driven decision-making.

## Optimizing Customer Engagement

Air India: Developed a virtual assistant using Azure OpenAI, handling nearly 4 million customer queries and reducing support costs.

Holland America Line: Created a digital concierge that supports numerous customer queries,

360

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Aren't you tired of missing out on the AI revolution?

Discover how large language models are reshaping businesses, driving efficiency, and sparking innovation.

At Bot Nirvana, we provide the insights and tools you need to stay ahead in this rapidly evolving field.

🔗 Dive into our exclusive content and connect with industry leaders.

Join our AI Mastermind and transform your approach to AI! 📧

Comment below if you're ready to embrace the future!

#AI #Automation

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So here is a breakdown of what each of them means to you and your org:

- Handles repetitive tasks
- High setup effort
- Perfect for structured work

- Answers basic questions
- Medium setup effort
- Great for customer service

- Makes contextual suggestions
- Medium guidance needed
- Boosts productivity

🔮➡️The AI revolution is getting smaller, smarter, and more sustainable!

Large Language Models (LLMs) like Llama 3 have dominated the AI landscape. But are they always practical? 🤖

🔮 Enter Small Language Models (SLMs): the unsung heroes of AI. This recent, most detailed survey of 59 state-of-the-art open-source SLMs reveals some incredible strengths:

🔮➡️Reasoning & Learning:➡️SLMs show impressive capabilities in reasoning, in-context learning, maths, and coding.

🔮➡️Efficiency & Privacy:➡️Designed for efficiency, SLMs operate with lower runtime costs, reduced latency, and a smaller memory footprint, all the while keeping data local for enhanced privacy.

🔮➡️Specialized Mastery:➡️SLMs outperform in niche domains like healthcare and law, providing precise and tailored solutions where LLMs fall short.

🔮➡️Real-world Applications:➡️With increased downloads on platforms like Hugging Face, SLMs are gaining traction, proving their worth in real-world applications.

SLMs are set to redefine the future of AI in 2025 & beyond, making it smarter, smaller, and more sustainable. 🔮

Ready to embrace the future of AI?

Discover how to future-proof your career with AI. Join the AI Mastermind now!

<https://lnkd.in/gu-nCu3R>



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We've been saying this for months: traditional RPA vendors need to embrace AI technologies like "Computer Use" and MCP, or risk becoming irrelevant.

This isn't just another incremental advancement - it's a fundamental shift in how automation works.

The key difference? Unlike rigid RPA systems, these agentic AI systems:

- Are robust against interface changes
- Can interpret new screen layouts on the fly
- Troubleshoot errors mid-process without human intervention

This agility makes them not just more powerful, but fundamentally more sustainable in our fast-changing digital ecosystems.



Anthropic just released a game-changer AI course: a FREE AI Fluency course! 🤖📖

👉 Here's what you get:

1️⃣ Introduction to AI Fluency

2️⃣ The AI Fluency Framework

3️⃣ Deep Dive 1: What is Generative AI?

4️⃣ Delegation

5️⃣ Applying Delegation

6️⃣ Description

7️⃣ Deep Dive 2: Effective Prompting Techniques

8️⃣ Discernment

9️⃣ The Description-Discernment Loop

🔍 Diligence

🤝 Master AI Collaboration:

Learn to work with AI systems effectively, efficiently, ethically, and safely. 🤖👤

👉 Access now: <https://share.botnirvana.org/eRaJ>

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It doesn't have to be that way. Avoid these automation pitfalls:

❌ Unrealistic timelines.

✅ Instead: Plan for phased implementation over months, not weeks

❌ Overambitious goals.

✅ Instead: Set realistic ROI, incremental targets that compound over time

❌ Perfectionism paralysis (especially in doc processing)

✅ Instead of 100% accuracy upfront, think iterative & continuous improvement

❌ Technology/Tools overload.

✅ Instead: Start with high-impact, low-complexity processes and scale gradually

❌ Chasing vanity metrics.

✅ Instead: Focus on tangible business outcomes and continuous value tracking.

Let's STOP sabotaging your automation projects! 🛑

Remember: Successful automation is a marathon, not a sprint.

Patience, strategy, and realistic expectations are your best allies in this journey.

What do you think?

In this episode, we are joined by Intelligent Automation experts Doug Shannon and Alex Dixon to unra

644	11.06	9
81	1.88	8

What you design vs. what you deploy. ☹️

Bot design meetings are like: „This will revolutionize the industry.,“

Bot Production team is like: „That's Good enough.,“

When your bot goes live, it, is a very minimum viable product. ☹️

What do you think?

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👉 Follow for Agentic AI, Gen AI & RPA trends: <https://share.botnirvana.org/SNnS>

#AI #innovation #technology #automation

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Επιπλέον, οι AI Agents είναι οι πιο προηγμένες μορφές AI, οι οποίες μπορούν να εκτελούν αυτόματες ενέργειες, να λαμβάνουν αποφασίσεις και να αλληλεπιδρούν με άλλα συστήματα ή ανθρώπους. Ωστόσο, η χρήση τους απαιτεί υψηλή τεχνική γνώση και μπορεί να είναι πιο περίπλοκη και ακριβή.

However, most people confuse these types of AI, from IA to agents.

So here is a breakdown of what each of them means to you and your org:

🤖 RPA/DPA/IA: Your digital worker

- Handles repetitive tasks
- High setup effort
- Perfect for structured work

💬 Chatbots: Your digital receptionist

- Answers basic questions
- Medium setup effort
- Great for customer service

🧠 Copilots: Your smart assistant

- Makes contextual suggestions
- Medium guidance needed
- Boosts productivity

👤 AI Agents: Your autonomous teammate

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While LLMs excel at generating human-like text, AI Agents take it a step further. They can:

- ʘü†Ô Plan and Execute : They orchestrate complex workflows, not just simple tasks.
- ʘü† Learn and Adapt : They retain memory and fine-tune responses based on past interactions.
- ʘüí Integrate Seamlessly : They connect with various tools and systems for a broader range of actions.
- ʘüÑ Stay Updated : They dynamically adjust to new information and real-time data.
- ʘüà Validate and Improve : They continuously assess and enhance their performance.

Check out the table for a detailed breakdown!

Join our next session on Agentic automation:  
<https://community.botnirvana.org/events/C03759>

Source: Deloitte report <a href="https://share.botnirvana.org/SnC8">https://share.botnirvana.org/SnC8</a>	279	6.36	8
The automation solution that does not fail ʘüð			
Mostly....	376	6.85	8





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Here,Äôs a quick breakdown of where the pain hits hardest.

### Incomplete process knowledge

## Legacy apps with zero documentation

No skilled devs or over-reliance on under-trained citizen devs

## UI screen mapping is a big headache

9.09

8

What does Hyperautomation mean?

Is it technology, process, mindset, or a revolution?

Gartner shared it as part of its Top Strategic Tech Trends for 2020.

As per Gartner:

„Hyperautomation combines multiple machine learning (ML), packaged software, and automation tools to deliver work."

"Hyperautomation refers not only to the breadth of the pallet of tools but also to all the steps of automation itself,"

Simply put, Hyperautomation combines various technologies & processes to deliver work rapidly.

How confusing can it be? 🤔

Is the term dead now?

331

5.98

8

Agentic AI understands human intent.	283	4.82	8
Agentic OCR is the future ! Specialized AI agents extract data quickly, flawlessly and at lower costs (	471	10.83	8

Ευχαριστούμε όλους τους συνεργάτες που συνέβαλλαν στην υλοποίηση του έργου. Η επιτυχία του έργου είναι αποτέλεσμα της συνεργασίας και της προσπάθειας όλων των μελών της ομάδας. Η επιτυχία του έργου είναι αποτέλεσμα της συνεργασίας και της προσπάθειας όλων των μελών της ομάδας. Η επιτυχία του έργου είναι αποτέλεσμα της συνεργασίας και της προσπάθειας όλων των μελών της ομάδας.

Here's the uncomfortable truth about RPA automation that nobody talks about:

- ,ùå "Autonomous operations" remained a fantasy
- ,ùå A change in a UI field broke the entire workflow
- ,ùå "Citizen developers" became "citizen firefighters"
- ,ùå ROI projections ignored the high maintenance costs
- ,ùå Enterprise-wide automation remained a PowerPoint fantasy

Agentic AI-led automation will change all that.

Here's why this time is different:

- REASONING over rule-following
- ADAPTATION over rigid programming
- AUTONOMY over constant monitoring
- COLLABORATION over isolated task execution

The difference?

RPA mimics human actions.

Agentic AI understands human intent.

575

9.95

8

Andrew Ng and his team have introduced a groundbreaking approach to OCR called Agentic Document Extraction!

I, Andrew, am a big fan of the agentic paradigm because it blends intelligence, tools, and memory powerfully.

That said, agents on their own can sometimes hallucinate, and that's what this new method shows.

It's still early days, but here's my take:

For now, the best approach is to combine the deterministic and non-deterministic approaches.

Traditional OCR remains critical for precision tasks, like extracting invoice numbers, addresses, or zip codes

Use proven OCR for those precise needs and layer in the agentic approach where it excels, like detecting handwriting or interpreting complex figures (think flowcharts).

This reminds me of what's happening in automation. Pure agent-driven systems like OpenAI's Operator or Anthropic Computer use can go off the rails without guardrails. But when you pair AI agents with deterministic systems (like workflow automation), you get Agentic Process Automation, a more reliable hybrid.

Ευχαριστώ πολύ για την βοήθεια. Ελπίζω να είστε καλά. Καληνύχτα.  
Εάν χρειάζεστε κάτι άλλο, μην διστάσετε να με ενημερώσετε. Καληνύχτα.  
Εάν έχετε οποιονδήποτε ερώτημα, είμαι εδώ για να σας βοηθήσω. Καληνύχτα.

Master these 6 essential skills to get ahead:

Εάν έχετε οποιονδήποτε ερώτημα, είμαι εδώ για να σας βοηθήσω. Καληνύχτα.

- Know the landscape of AI models for agent development
  - Understand model capabilities, tool calling, and performance optimization for agentic systems
- Resources: Try out models w/ OpenWebUI or LM Studio, YouTube demo videos

Εάν έχετε οποιονδήποτε ερώτημα, είμαι εδώ για να σας βοηθήσω. Καληνύχτα.

- Craft instructions that enable agents to reason and act autonomously
  - Master chain of thought, structured outputs, and dynamic prompting for agent interactions
- Resources: Eugene Yan's Prompting Guide, DAIR AI Prompt Engineering Guide

Εάν έχετε οποιονδήποτε ερώτημα, είμαι εδώ για να σας βοηθήσω. Καληνύχτα.

Transform generic AI agents into domain-specific experts  
Learn vector databases, semantic search, and intelligent chunking for agent knowledge retrieval  
Resources: Greg Kamradt's Fullstack Retrieval Series

From rule-based robots to intelligent agents that plan & act.  
Here's how we got here

From rule-based robots to intelligent agents that plan & act.

Here's how we got here

5 years ago:

- RPA was king
- Basic process automation
- Simple, rule-based tasks
- Repetitive work only

3 years ago:

- Intelligent Automation emerged
- Pattern recognition w/ML
- Advanced OCR, analytics
- Complex process handling

Today: AI Agents are taking over...

- Autonomous decision making
- Self-learning capabilities
- Predictive intelligence
- Augmenting roles



90% of companies "do AI" and fail.

10% become AI-first and win.

Here's why ☹️

How most organizations "do AI":

☹️ Start with "We need AI"

☹️ Hire expensive consultants

☹️ Run endless innovation workshops

☹️ Create too many reports

☹️ Deliver beautiful PowerPoints

☹️ Hope for ROI

How AI-first winners do it:

✅ Start with "Where's my 200% ROI?"

✅ Map business pain points first

✅ Calculate the potential impact

✅ Focus on 5-10 high-impact opportunities at a time

✅ Measure actual value

✅ Drive positive ROI

The difference?

AI-first companies see AI as a value driver, not a shiny tool.

What do you think?

521

10.76

7

Ευρώπη, ΗΠΑ, Ασία, Λατινική Αμερική, Μέση Ανατολή, Αφρική, Αυστραλία, Νότιος Ειρηνικός Ωκεανός. Η Ευρώπη είναι η περιοχή με τον μεγαλύτερο αριθμό χρηστών, ακολουθούμενη από τις ΗΠΑ. Η Ασία είναι η περιοχή με την ταχύτερη ανάπτυξη. Η Λατινική Αμερική και η Μέση Ανατολή είναι οι περιοχές με την χαμηλότερη διείσδυση. Η Αφρική και η Αυστραλία είναι οι περιοχές με την μέση διείσδυση. Ο Νότιος Ειρηνικός Ωκεανός είναι η περιοχή με την ελάχιστη διείσδυση.

While everyone's jumping on the agentic AI bandwagon...  
Gartner just dropped some sobering statistics:

- Only 130 out of THOUSANDS of "agentic AI" vendors are real
- Many vendors are just "agent washing" existing chatbots and RPA tools
- 19% of companies made significant investments, but most lack a clear ROI

The brutal reality? Most current AI models are not yet mature enough to autonomously handle complex business goals.

But before you panic, here's what smart leaders are doing differently:

,ùå WRONG: Jumping on every "AI agent" solution  
,úÖ RIGHT: Asking "Does this deliver measurable ROI?"

,ùå WRONG: Retrofitting agents into inefficient workflows  
,úÖ RIGHT: Redesigning workflows with AI-first thinking

,ùå WRONG: Believing vendor promises about "revolutionary agents"  
,úÖ RIGHT: Recognizing only a few vendors are legitimate

The graphic from McKinsey brilliantly sums up the evolution of AI:  
 1. Traditional AI: Rigid and reliable, best for repeatable, unchanging tasks.  
 2. Gen AI: Context-aware and creative, but still needs a lot of human guidance.  
 3. Agentic AI: Fully autonomous, adaptive, and capable of end-to-end, complex decision-making.

This graphic from McKinsey brilliantly sums up the evolution of AI:

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3. Agentic AI: Fully autonomous, adaptive, and capable of end-to-end, complex decision-making.

Why does this matter? Because agentic AI isn't just another tool, it's a whole new operating model.

Here's a quick checklist for making agentic AI actually work:

- Give them a clear job description. Know what you want your AI agents to do, and measure it.
- Set up governance. Build in transparency and accountability just like you would with a new executive hire.
- Let them free up your human talent as agents manage workflows and handle those tasks.

Massive upside, but only if managed thoughtfully.  
Treat agentic AI like you treat your top talent.

- Define their role.

This is what is happening if we are to believe the hype.

What's the truth?

- How many have truly implemented Generative AI?
- Is Intelligent Automation still the answer?
- Is RPA & OCR really dead?

The truth is complex with all tools still relevant based on your use case.  
Still see all of them in action though Gen AI is the flavor of the times 🤖

Just as RPA was some time back - a change in hype?

What is your take?

516 11.48 7

Discover how Agentic Process Automation can transform digital workflows!

<https://lnkd.in/gT-2JwAA>

Enhance efficiency & innovation.

🤖 #Automation #AI

Join our AI Mastermind!

140 3.07 7

## 🔗 Google's NEW AI Memory Architecture: Titans

Inspired by the human brain, it introduces a revolutionary memory structure:

- Short-term Memory: For immediate data processing.
- Long-term Memory: Stores information over time.
- Persistent Memory: Holds task-independent knowledge.

🔗 Memory Mechanism: Titans recognize surprising inputs, making them more memorable. Over time, these memories fade, managed by a decay mechanism.

### 🔗 Implementation Details:

- Core short-term memory processes immediate data.
- Long-term memory encodes historical abstractions.
- Adaptive forgetting prevents memory overload.

🔗 Results: Titans outperforms existing models, maintaining accuracy with increasing context sizes.

🔗 Conclusion: Titans mimic human cognition, enhancing AI's ability to handle complex tasks with long-term dependencies.

What do you think?

420

9.56

7

Are your competitors already using AI to win RFPs? Don't get left behind.

AI automation can slash your RFP response time, freeing you to focus on high-impact tasks and closing deals.

Check out this video (<https://share.botnirvana.org/TSuD>) to discover how AI can:

- Streamline data entry and formatting
- Personalize proposals with greater efficiency
- Ensure you submit error-free proposals on time

Join our AI Mastermind to master AI:<https://share.botnirvana.org/TSuE>

#AI #Automation #innovation #technology

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But it just might outshine AI agents in Enterprises.

200Œ Why?

- AI agents currently struggle with complex tasks.
- Because LLMs' reasoning is still maturing.
- So enterprise use is currently limited.

200Œ Enter Agentic Process Automation:

- Controlled AI agents in workflows.
- Operate within strict guardrails.
- Has agency in a defined context.

200Œ What Happens to RPA?

- Still best for structured tasks
- Ideal for high-volume, repetitive tasks.
- Lower running costs as no token/AI model costs.

200Ä Market is evolving fast, tools & tech are changing.

Discover how AI agents are revolutionizing work and productivity.	349	6.02	7
Check out the video!	350	4.93	6

2022. We started the year with a goal of 100k followers, but by year-end, we proudly stood at the top! We kicked off the year at the bottom of the pack, but by year-end, we proudly stood at the top! Our follower count skyrocketed from 2k to 4k, and it's all thanks to you!

Learnings:

- Consistency was key. We had posts almost every day.
- Focus on quality content. We shared what truly mattered.
- Learning from failures. Each setback was a stepping stone.
- Leveraging community support. Your encouragement fueled our passion.

A huge thank you to everyone who supported us on this journey!

Your encouragement means the world.

142

3.3

6



Most colleges charge you \$100,000+ to learn thriving skills in an AI-driven workplace.

But I can explain it to you here for free.

A quick breakdown on:

- Embracing continuous learning
- Cultivating problem-solving abilities
- Enhancing digital literacy

Let's dive in!

Discover AI & Automation ideas at Bot Nirvana.

Share your thoughts on how you're preparing for the future of work! 🤖💡🔗 #AIWorkplace  
#AutomationSkills



[illegible]

☑ Here are 100 ideas.

Download more formats and in high resolution here:  
<https://share.botnirvana.org/eK9H>

## Are you ready to integrate AI agents, and if so, where are you at?

— — —

🔗 Follow for Agentic AI, Gen AI & RPA trends: <https://share.botnirvana.org/eK9l>

#AI #innovation #technology #automation	189	3.38	6
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Why AI Agents Will Change EVERYTHING in 2025	173	2.98	6
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## The automation solution that does not fail ☹️

Mostly....

Join our Newsletter: <a href="https://botnirvana.org/">https://botnirvana.org/</a>	516	11.67	6
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🏁 Conclusion: Titans mimic human cognition, enhancing AI's ability to handle complex tasks with long-term dependencies.

Join our next session on Agentic automation:

<https://community.botnirvana.org/events/FC974F>

What do you think?

269

5.73

6

• Our comprehensive APA report spills ALL the details:  
• How AI Agents are rewriting the automation game  
• The tech mashup (RPA + DPA + iPaaS + Process mining+ AI agents) that,Âs pure magic  
• LLMs & LAMs unlocking next-level Automation vibes  
• Who,Âs winning the APA race (capabilities, strengths, and weaknesses)  
• The ROI goldmine: How APA brings value - save cash, move fast, crush the competition  
• Your step-by-step APA takeover plan

Ready to ditch the old playbook and go full-on AI automation?

385

5.15

6

Even if you are overwhelmed by AI complexities, you can still:

- 1. Identify key tools that align with your goals
- 2. Leverage expert insights to guide your integration
- 3. Start with small, impactful automation projects

The barrier to entry has never been lower.

And tiny steps compound over time.

Explore our free resources at <https://botnirvana.org>.

Share your thoughts or comment if you're ready to transform your business with AI!

Incorporating AI Agents into Enterprise AI Architecture is transformative, but the key lies in governance. It's not the AI Agent that breaks your system, it's the one you didn't govern properly. 🔄

## Phase I ,Äi Form a Team

## Phase II , Train Employees

329	5.65	6
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Everyone talks about it.

Nobody really knows how to do it.

Everyone thinks everyone else is doing it...

So everyone does pilots to claim they are doing it üä

Stop building Agentic AI pilots. Instead, add controlled agents with APA.

----

Repost if this helped you see the shift ,ôªÔΠè

273

3.76

6



9 in 10 Digital Transformation initiatives fail (HBR).

But most organizations keep making the same mistakes:

- They try to force a digital transformation with shiny tools.
- An organization's digital environment is not a green field, as many imagine.
- Even in greenfield scenarios, the well-thought-out „Ádream tool,Äù may not succeed.

What you can do about it:

- Understand the current digital environment, culture, & upcoming tech.
- Instead of thinking of "digital transformation", think of it as digital evolution.
- Start with a business objective and take initial steps (from a worm to a pupa!)
- Allow the 'transformation' to unfold naturally, rather than forcing it with shiny tools.

Be curious, strategize, build capabilities, evolve, scale, and continuously improve.  
That,Äôs transformation, but it is more of a gradual evolution with digital technologies.

What do you think?	310	4.52	6
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You,Äôre not stuck, you just need a plan.

Explore future-ready skills with us 2025 and gear up for the AI-driven market.

Discover AI & Automation ideas. 2025

Comment your thoughts!	96	2.32	5
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Finally, a comprehensive guide that doesn't cost a dime!

This comprehensive report on arXiv covers:

## 🔗 Basics of NLP and LLMs

## PEFT, LoRA, QLoRA

## ❓ Mixture of Experts (MoE)

🔗 Seven-stage fine-tuning pipeline

## 🔗 Data prep and best practices

<https://share.botnirvana.org/eKB1>

Discover how AI agents are revolutionizing work and productivity.

Join our AI Mastermind to master AI: <https://share.botnirvana.org/e4F1>

234                      4.19                      5

233	4.26	5
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👉 AI Adoption Accelerates: AI adoption is accelerating across industries, with significant investments in AI research and development.

👉 AI Integration Deepens: AI is being integrated into core business processes, leading to increased efficiency and productivity.

👉 AI Innovation Continues: New AI models and applications are being developed, pushing the boundaries of what AI can do.

👉 AI Impact Becomes Visible: The impact of AI is becoming more apparent in various sectors, including healthcare, finance, and manufacturing.

Here's what changed and why you should care:

👉 AI Language Models: Smarter, Faster, Cheaper

What: Frontier intelligence up; inference prices down sharply; throughput up, but long reasoning chains add latency.

Why: Expanding TAM + margin tailwinds for AI-native products; watch unit economics drift from per-seat to per-token.

👉 AI Tools + Connections: Chat Becomes the Workflow OS

What: Native integrations and MCP standardization push AI agents to become the default workflow OS.

Why: Stickier platforms, higher net revenue retention; integration moats > feature moats.

👉 AI Coding Agents Proliferate

What: 12+ major launches; CLI-first; Cursor/GitHub dominance.

Why: Productivity leverage shows up in R&D efficiency and shipping velocity; new OpEx line items for agent runs.

👉 AI Video Models Break Through (Audio-Native)

What: Quality jumps; Veo 3 sets premium pricing with native audio.

Why: Video-first content factories change CAC/LTV math; capex/opex shifts to storage, CDN, provenance.

Ευχαριστούμε πολύ για την προσφορά σας και την υποστήριξη που μας παρέχετε. Η συνεργασία μας είναι πολύ σημαντική και θα συνεχίσουμε να εργαστούμε για την βελτίωση των υπηρεσιών μας. Ελπίζουμε να έχουμε την ευκαιρία να συνεργαστούμε και στο μέλλον. Με εκτίμηση, Ο Διευθυντής, Τμήμα Πωλήσεων.

Here's what's coming to replace it:  
Introducing Agentic OCR - The next evolution of document processing.

### THE EVOLUTION:

#### 1. Traditional OCR (2000s-2010s)

- Rigid, template-based systems that crumble with format variations
- Breaks completely when documents deviate from templates
- Limited accuracy (60-80% on good days)
- Massive manual correction needed

#### 2. AI/ML-Powered OCR (2010s-2020s)

- Requires extensive model training per domain/document type
- Still significantly error-prone (80-90% accuracy at best)
- Struggles with document diversity and edge cases
- Human validation is still required for most outputs

#### 3. Agentic OCR (2025+) - THE NEW WAY:

MCP! This protocol is changing the game for AI agents. Learn how it connects AI models to the data tl

335	5.03	5
399	9.17	4

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2025-01-01 10:00:00

Download more formats and in high resolution here:  
<https://share.botnirvana.org/gV8s>

Are you ready to integrate AI agents, and if so, where are you at?	177	3.12	4
Mihir (CEO AA) shares a Generative AI + RPA use case in customer care at the Word Economic forum.			
<a href="https://share.botnirvana.org/iQ67">https://share.botnirvana.org/iQ67</a>	256	4.23	4

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👉 Here's how it works:

It uses an open-source "Browser use" AI "RPA" tool:  
(Github link in comments)

Powerful Browser Automation: AI agents seamlessly navigate job portals.  
Vision + HTML Extraction: Looks up relevant job listings from sites.  
Multi-tab Management: Manages multiple sites simultaneously.  
Element Tracking: Extracts clicked elements XPaths.  
Self-correcting: Handles errors like a pro.

Any LLM Support: Compatible with top models like GPT-4, Claude 3, and Llama 2.

AI Agents are taking job applications to the next level.

But what happens to HR now? 🤖

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Discover essential tools for AI implementation! 🛠️🔗

From insights to resources, we empower your journey.

If you like posts like this, you might enjoy my weekly newsletter, Bot Nirvana Insights. 📧🌐

Gain cutting-edge knowledge, connect with industry leaders, and explore innovative strategies.

Join 5,000+ subscribers here: <https://botnirvana.org>.

Listen to our podcast and share your thoughts! 🎧🗣️

Goodbye spreadsheets, hello AI-powered automation! Understand how one control agent orchestrates

AI agents need these 3 things to be smart! I discuss each of these from the best-selling book, "Agentic

Manish Ballal is a GTM and Sales leader with over a decade of experience in the automation space. H

123	2.97	3
275	6.32	3
149	1064.29	2
39	0.93	1



Most colleges charge you \$100,000+ to learn thriving skills in an AI-driven workplace.

But I can explain it to you here for free.

A quick breakdown on:

- Embracing continuous learning
- Cultivating problem-solving abilities
- Enhancing digital literacy

Let's dive in,

Discover AI & Automation ideas at Bot Nirvana.

Share your thoughts on how you're preparing for the future of work! [#AIWorkplace](#)  
[#AutomationSkills](#)

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Goodbye spreadsheets, hello AI-powered automation! Understand how one control agent orchestrates HUNDREDS of business lines like a boss.

Complete Podcast: <https://youtu.be/womS8eW7B0A> [#AISolutions](#) [#automation](#) [#efficiency](#)  
[#GoogleSheets](#) [#productivity](#)

28

50

1

The new Gartner Hype Cycle reveals what we suspected:  
 Gen AI is sliding into the trough of disillusionment.  
 But here's what's rising to the top:  
 - AI-Ready Data  
 - AI TRISM  
 - Sovereign AI  
 - ModelOps  
 - AI Agents

Translation: Customers now want "AI-ready infrastructure," AI orchestration, and AI agents, not just another chatbot.

But here's what's rising to the top:

- AI-Ready Data
- AI TRISM
- Sovereign AI
- ModelOps
- AI Agents

Translation: Customers now want "AI-ready infrastructure," AI orchestration,, and AI agents,, not just another chatbot.

Drawing on this, here are 5 pillars every AI-mature enterprise must master:

1. AI Agents: Autonomous, goal-oriented systems that learn and adapt
2. AI-Ready Data: Governed, cataloged, real-time streams that fuel decisions
3. AI Orchestration: ModelOps, workflow automation, and intelligent resource allocation
4. AI TRISM: AI Trust, Risk, and Security Management - focus on reliability and accountability
5. Sovereign AI: Localized models that meet regulatory, data residency, and privacy requirements

Why this shift matters:

Infrastructure outlasts hype	44	0.73	1
Watch how a TEAM of AI agents extracts data from invoices Faster, Cheaper, and Better! Watch complete video: <a href="https://youtu.be/dJeHdHlNdjA">https://youtu.be/dJeHdHlNdjA</a> #AI #OCR #automation #LLM #agentic	13	23.21	1

Even if you are overwhelmed by AI complexities, you can still:

1. Identify key tools that align with your goals 🛠️
2. Leverage expert insights to guide your integration 🧠
3. Start with small, impactful automation projects 🚀

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And tiny steps compound over time.

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Share your thoughts or comment if you're ready to transform your business with AI!

#AI #Automation #Innovation

1 1.92 0

Discover essential tools for AI implementation! 🛠️

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Gain cutting-edge knowledge, connect with industry leaders, and explore innovative strategies.

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Listen to our podcast and share your thoughts! 🎧

3 5.77 0

In this episode, we are joined by Intelligent Automation experts Doug Shannon and Alex Dixon to unra

8 0.19 0

How can I leverage AI for success?

Explore case studies showcasing AI triumphs across industries!

From healthcare to finance, discover how innovative solutions are transforming operations and boosting efficiency.

Dive into our resources and empower your journey.

Listen to our podcast & share your thoughts!

#AI #Innovation	1	1.92	0
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Stop manually researching, coding, and managing workflows.

These 7 AI agents are already outperforming humans.

2úüîç Deep Research Agents:

Tools like Grok and Gemini Advanced synthesize reports from multiple sources.

2úüð†Ô 2úè Tool-Calling Agents:

With Claude Desktop + MCP, AI autonomously carries out intelligent actions.

2úüñ±Ô 2úè Computer Use Agents:

They control your computer,Äclicking, typing, & scrolling to automate tasks.

,öðÔ 2úè Workflow Automation Agents:

AI automates entire workflows,Äfrom form submissions to Slack notifications.

2úüö RAG Agents:

AI accesses internal documents for instant answers,Äno retraining needed.

2úüíª Coding Agents:

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Discover essential tools for AI implementation! 🛠️

From insights to resources, we empower your journey.

If you like posts like this, you might enjoy my weekly newsletter, Bot Nirvana Insights. 📧

Gain cutting-edge knowledge, connect with industry leaders, and explore innovative strategies.

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Listen to our podcast and share your thoughts! 🎧

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3 steps to revolutionize digital workflows with Agentic Process Automation:

1. Identify repetitive tasks suitable for automation.
2. Implement intelligent agents to streamline processes.
3. Monitor and optimize for continuous improvement.

🔗 Discover AI & Automation ideas.

Share your thoughts!

#Automation #AI

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Turn your videos into live streams with <https://restream.io> In this episode of The Habit Architect, host

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Discover how Agentic Process Automation can transform digital workflows!

Enhance efficiency & innovation.

🔗 #Automation #AI

Join our AI Mastermind!

23.850

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<b>Coding Agents:</b>	11	11.11	0
Discover essential tools for AI implementation! From insights to resources, we empower your journey.	0	0	0
You're not stuck, you just need a plan. Explore future-ready skills with us and gear up for the AI era.	0	0	0
3 steps to revolutionize digital workflows with Agentic Process Automation: 1. Identify repetitive tasks.	0	0	0
Even if you are overwhelmed by AI complexities, you can still: 1. Identify key tools that align with your goals.	0	0	0



🔗 AI just SAVED me 20 HOURS of research!

🔗 Grok, Gemini Advanced & Preplexity are GAME CHANGERS.

Check out the other 6 Practical AI Agents That Are Changing the Game:  
[https://youtu.be/vE\\_zgud-GCI](https://youtu.be/vE_zgud-GCI) #ai #aiagents #productivity #futuretech #aitools

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AI agents need these 3 things to be smart!

I discuss each of these from the best-selling book, "Agentic Artificial Intelligence."

Check out the complete video: <https://youtu.be/RVjhLU1WmTc> #ai #artificialintelligence  
#machinelearning #aitools #tech #futuretech #innovation

29 51.79 0

🔗 MCP! This protocol is changing the game for AI agents. 🔗  
Learn how it connects AI models to the data they need.  
Check the complete Video: <https://youtu.be/WujzKmYzqDE>

🔗 #AI #MCP #Metaverse #Protocol

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You,Äre not stuck, you just need a plan.

Explore future-ready skills with us 🔗 and gear up for the AI-driven market.

Discover AI & Automation ideas. 🔗

Comment your thoughts!

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Aren,Ät you tired of missing out on the AI revolution?

Discover how large language models are reshaping businesses, driving efficiency, and sparking innovation.

At Bot Nirvana, we provide the insights and tools you need to stay ahead in this rapidly evolving field.

🔗 Dive into our exclusive content and connect with industry leaders.

Join our AI Mastermind and transform your approach to AI! 🔗

Comment below if you're ready to embrace the future!

#AI #Automation

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🔍💡 Discover AI & Automation ideas.

Share your thoughts!

#Automation #AI

48.890

Even if you are overwhelmed by AI complexities, you can still:

- 1. Identify key tools that align with your goals
- 2. Leverage expert insights to guide your integration
- 3. Start with small, impactful automation projects

The barrier to entry has never been lower.

And tiny steps compound over time.

Explore our free resources at <https://botnirvana.org>.

Share your thoughts or comment if you're ready to transform your business with AI!

#AI #Automation #Innovation

36.670

Discover how Agentic Process Automation can transform digital workflows!

Enhance efficiency & innovation.

🤖🔄 #Automation #AI

36.820

Join our AI Mastermind!

36.820

Most colleges charge you \$100,000+ to learn thriving skills in an AI-driven workplace.

But I can explain it to you here for free.

A quick breakdown on:

- Embracing continuous learning
- Cultivating problem-solving abilities
- Enhancing digital literacy

Let's dive in!

Discover AI & Automation ideas at Bot Nirvana.

Share your thoughts on how you're preparing for the future of work! #AIWorkplace #AutomationSkills

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- Light & open-source LLMs
- Multistage LLM chains
- Model hubs & diffusion AI
- AIaaS for scalable AI services

- Knowledge graphs
- AI-generated synthetic data
- Scalable vector databases
- GenAI engineering tools

- Simulation twins & GenAI-native apps
- Enhanced workflow tools
- Multiagent generative systems

1. User places invoice PDFs/images in a monitored folder  
 AI just SAVED me 20 HOURS of research! Grok, Gemini Advanced & Preplexity are GAME CHANGERS.

80-90% of the world's data exists in unstructured formats.

We're solving this massive challenge with AI agents!

Here is the AI agent team (ready for any client)

- Manager Agent delegates tasks
- Extraction Agents pull data using AI models
- Evaluator Agent verifies uncertain extractions
- Application Agent pushes to systems
- Communication Agent sends notifications

Here is an example implementation for a recent client:

1. User places invoice PDFs/images in a monitored folder	1	2.27	0
AI just SAVED me 20 HOURS of research! Grok, Gemini Advanced & Preplexity are GAME CHANGERS.	13	0.3	0



How can I leverage AI for success?

Explore case studies showcasing AI triumphs across industries!

From healthcare to finance, discover how innovative solutions are transforming operations and boosting efficiency.

Dive into our resources and empower your journey.

Listen to our podcast & share your thoughts!

#AI #Innovation	3	6.82	0
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Επιπλέον, η απλοποίηση των διαδικασιών μπορεί να οδηγήσει σε σημαντικές εξοχές κόστους. Η αυτοματισμένη επεξεργασία δεδομένων, η αυτοματισμένη επικοινωνία και η αυτοματισμένη λήψη αποφάσεων είναι μερικές από τις εφαρμογές που μπορούν να οδηγήσουν σε σημαντικές εξοχές κόστους. Η απλοποίηση των διαδικασιών μπορεί να οδηγήσει σε σημαντικές εξοχές κόστους. Η αυτοματισμένη επεξεργασία δεδομένων, η αυτοματισμένη επικοινωνία και η αυτοματισμένη λήψη αποφάσεων είναι μερικές από τις εφαρμογές που μπορούν να οδηγήσουν σε σημαντικές εξοχές κόστους. Η απλοποίηση των διαδικασιών μπορεί να οδηγήσει σε σημαντικές εξοχές κόστους. Η αυτοματισμένη επεξεργασία δεδομένων, η αυτοματισμένη επικοινωνία και η αυτοματισμένη λήψη αποφάσεων είναι μερικές από τις εφαρμογές που μπορούν να οδηγήσουν σε σημαντικές εξοχές κόστους.

Here,Âs a simplified breakdown:

• Traditional RPA is your go-to for high-volume, repetitive, and structured tasks. It,Âs cost-effective and requires lower cognitive effort, making it perfect for routine operations.

• APA (Agentic process automation) is better for medium to low-volume workflows due to added token costs for LLMs. It is ideal for tasks that require intelligence and need to be controlled.

• AI Agents are designed for lower-volume complex tasks that are open for creative solutions. It's best to leverage the reasoning LLMs for planning and execution for best results (and so higher costs).

It's not about which technology wins but which technology or tool to use for your current use case.

So understanding this distinction can help you choose the right technology to automate efficiently.

Join us for the next APA session (link is in the comments)

• How do you see this transforming automation?

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#AI #Automation

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