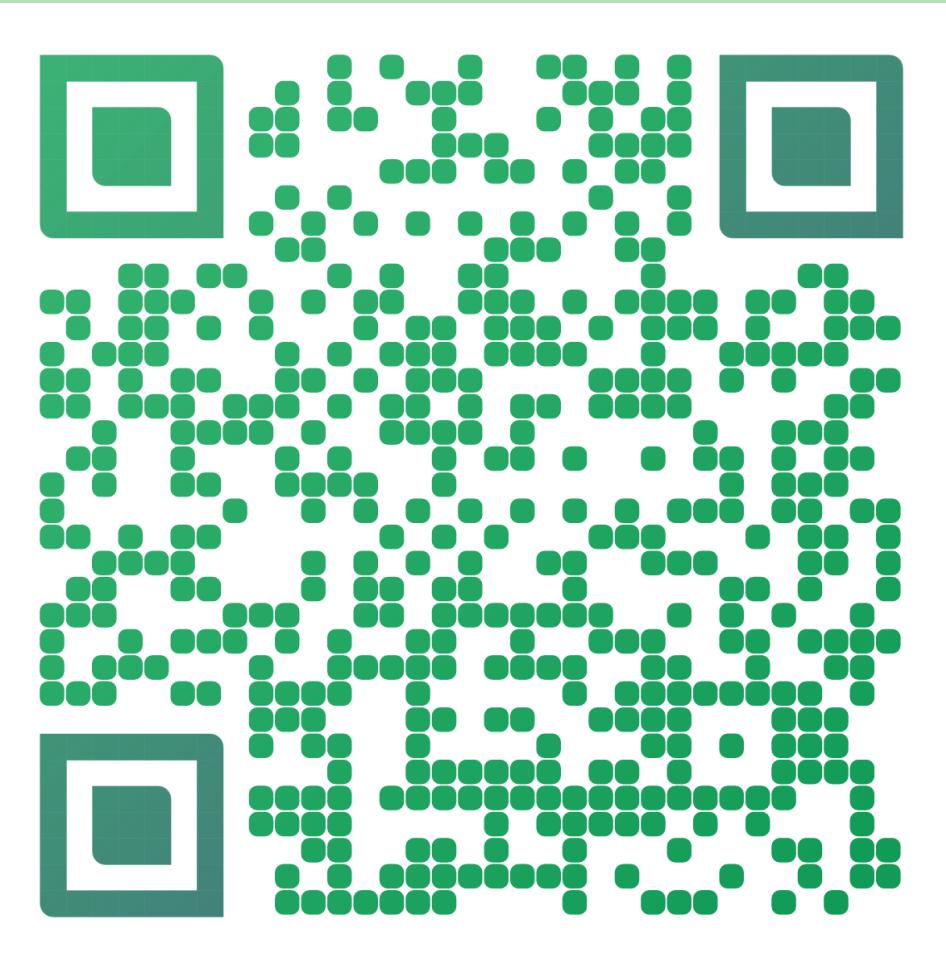


# How to create your AI Talent Agent

Artur Kuzmin

- Where are you joining from?
- What's your goal for this talk?
- [https://take.supersurvey.com/  
QGZD2XECS](https://take.supersurvey.com/QGZD2XECS)



# How to create your AI Talent Agent

Artur Kuzmin

# Agents - iPhones?



# Agenda

- LLMs in job search
- Agents vs Workflows
- A bit more technical stuff
- Job search tools
- Demos
- Bonus
- Q&A



# Goals

- Not a deep technical workshop
- Bring curiosity about agents
- Ideas of how can you make job search easier

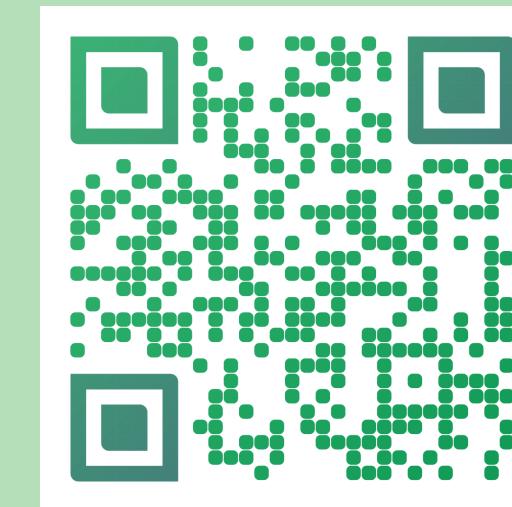
A close-up selfie of Artur Kuzmin, a young man with short brown hair, smiling at the camera. He is positioned next to a kangaroo, which is partially visible on the left side of the frame. The background shows a sandy beach and the ocean under a clear blue sky.

# Artur Kuzmin

Director of Engineering at Squire,  
Co-founder of Talent Agent  
Google Developer Expert

Built 20+ agents in the last year.  
5 of them are currently in production.

[linkedin.com/in/arturkuzmin/](https://linkedin.com/in/arturkuzmin/)  
[twitter.com/ArtursTwit](https://twitter.com/ArtursTwit)



Let's get agents some work in  
background

# Get an invite to Manus



Share your thoughts on LinkedIn / Twitter,  
ping Artur Kuzmin,  
get a chance to get an invite! :)

# Talent Agent 🎁

Free 7-day resume building bootcamp.

End of the talk 🎁: N8N flows + Talent Agent AI Beta



<https://a.gettalentagent.com/bootcamp/ar>

# From LLM to Agents

# Introduction: What are AI Agents?

AI Agents are software systems that can perform tasks autonomously or with minimal human intervention. They have access to tools to be able to interact with the outside world.

# AI Agents evolution

1. LLM chat
2. Web search
3. Image / audio recognition
4. Other tooling
5. Autonomous task performing
6. Multi-agents

# Early Days of LLMs - Text Input/ Output

# Job search help?

- Ask an advice
- Role play
- Copy-paste your info and job description and chat about it

# Function Calling

# Advantages of Function Calling

- You've got a function? LLM can now use it.
- Search!
- Ability to call internal code
- Ability to call external APIs

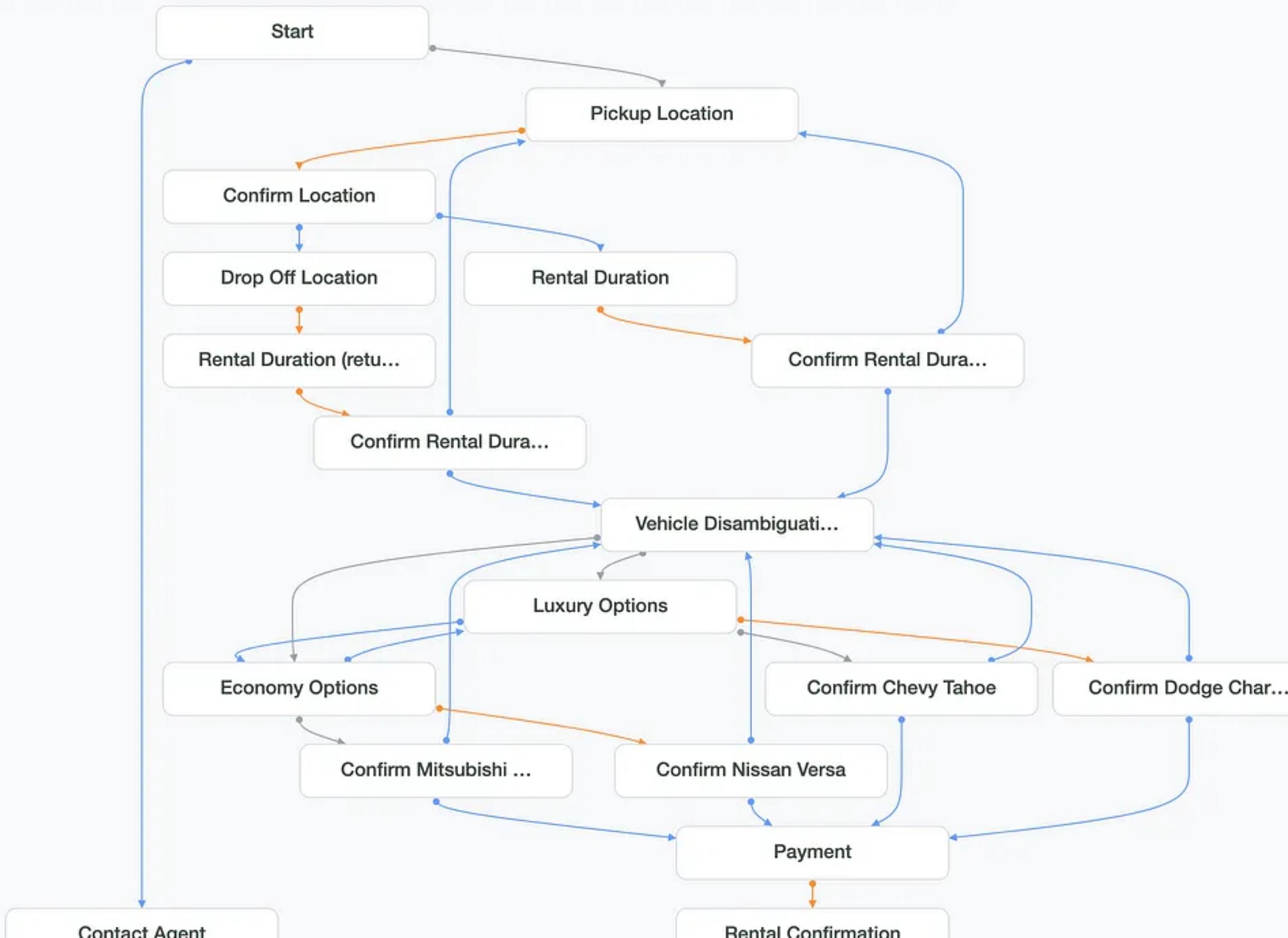
# Job search help?

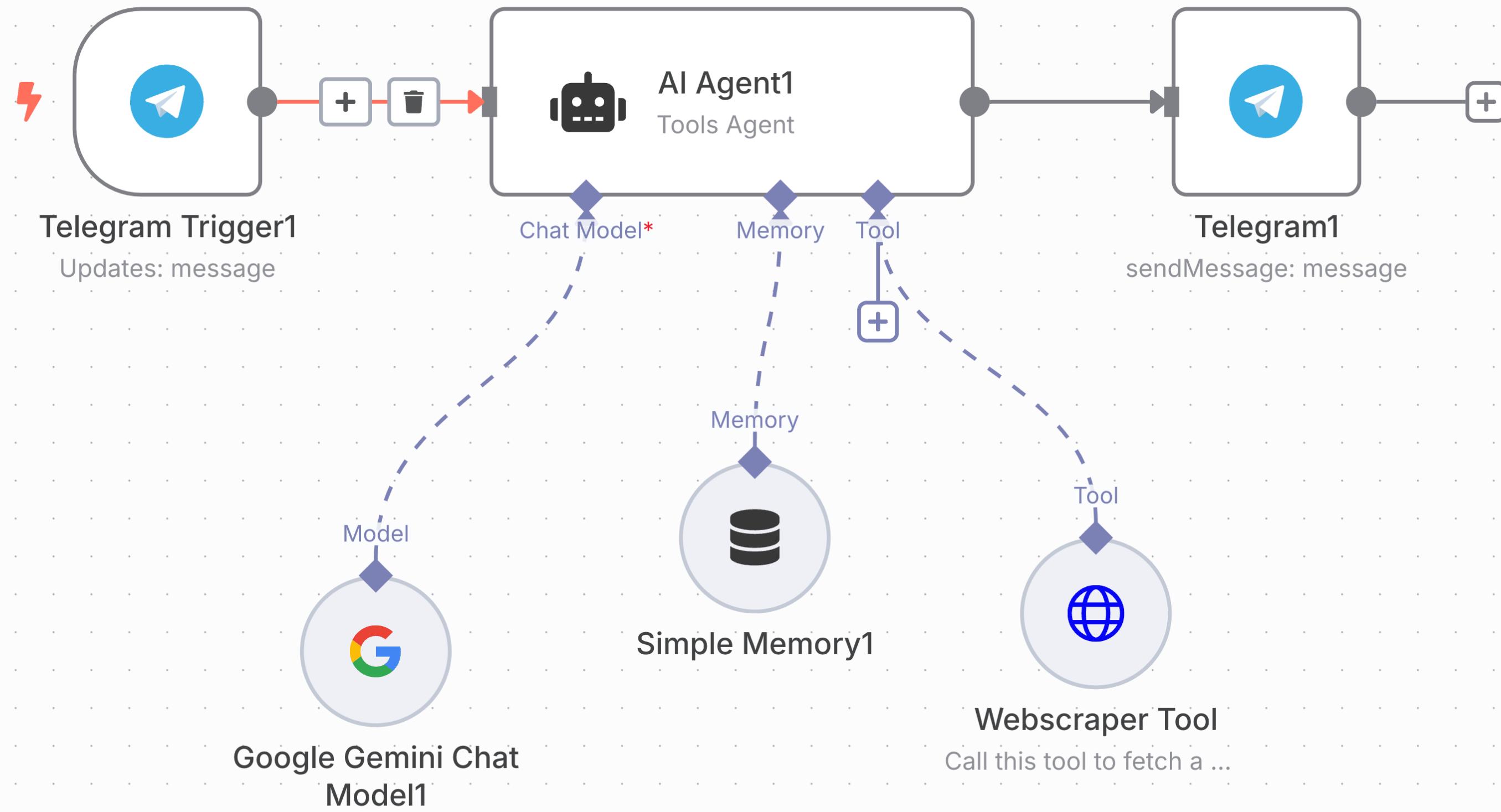
- Create a Gemini Gem / Custom GPT
- Let it use Search to find company info
- Upload your resume, copy-paste LinkedIn
- Ask chat to tailor resume / prepare a cover letter

# AI Agents

- Get a goal.
- Plan how to achieve it.
- Use tools or other agents as needed.
- Decide, when the goal was achieved.

- + Default Start Flow
- + Start
- + End Flow
- + End Session
- Confirm Chevy Tahoe
- Confirm Dodge Charger
- Confirm Location
- Confirm Mitsubishi Mi...
- Confirm Nissan Versa
- Confirm Rental Durati...
- Confirm Rental Dura...
- 19/50





# Browser Use Agent

# Agents vs Workflows

- Agent - max autonomy
- Workflow - do X, Y, Z

# Understanding Workflows

- Workflows chain multiple LLM calls or decisions based on outputs from previous steps.
- Example: A router LLM deciding which specialized LLM or tool to use.
- Benefit: Offers flexibility without the unpredictability of autonomous agents.

# Strategic Choices: Agents vs. Workflows

## When to Use Agents vs. Workflows?

- Predictability
- Control
- Boundaries/Complexity
- Latency & Cost

# Building Effective AI Agents

# Frameworks for Building Agents

Prototype:

- N8N
- LangChain
- Firebase Gen Kit
- Google Agent Development Kit
- Crew AI
- SmolAgents

Build:

- Code

# Best Practices in Building Agentic Systems

- Start simple
- Iterate based on observations
- Prioritize functionality over complexity
- Develop evaluation datasets

# Prompting Strategies for Agents

- Clarity is Critical
- Tool Descriptions Matter
- Error Analysis
- LLM Variations
- Use LLM Observability tools

# Observability in Agentic Systems

- Observability is critical for understanding and improving agent behavior.
- Tools like Helicone.ai provide logging, tracing, and analysis for LLM calls and agent actions.
- Benefits include debugging, performance optimization, and cost management.

# Additional Notes & Considerations

- Limit the number of tools or ensure clear differentiation.
- Consider multi-agent systems or handoffs for complex tasks.

# Firebase Gen Kit and Firebase Studio

# Agent Development Kit

Agent or a workflow?

<https://github.com/google/adk-samples/tree/main/agents>

# Browser Agent Demo Use Cases

- Deep Research of a company
- Creating activity on LinkedIn
- Connecting to people with a lot of followers
- Finding you the best deal for a laptop on Facebook Marketplace
- Booking a time slot at DriveTest or a country embassy
- Apply for jobs on your behalf

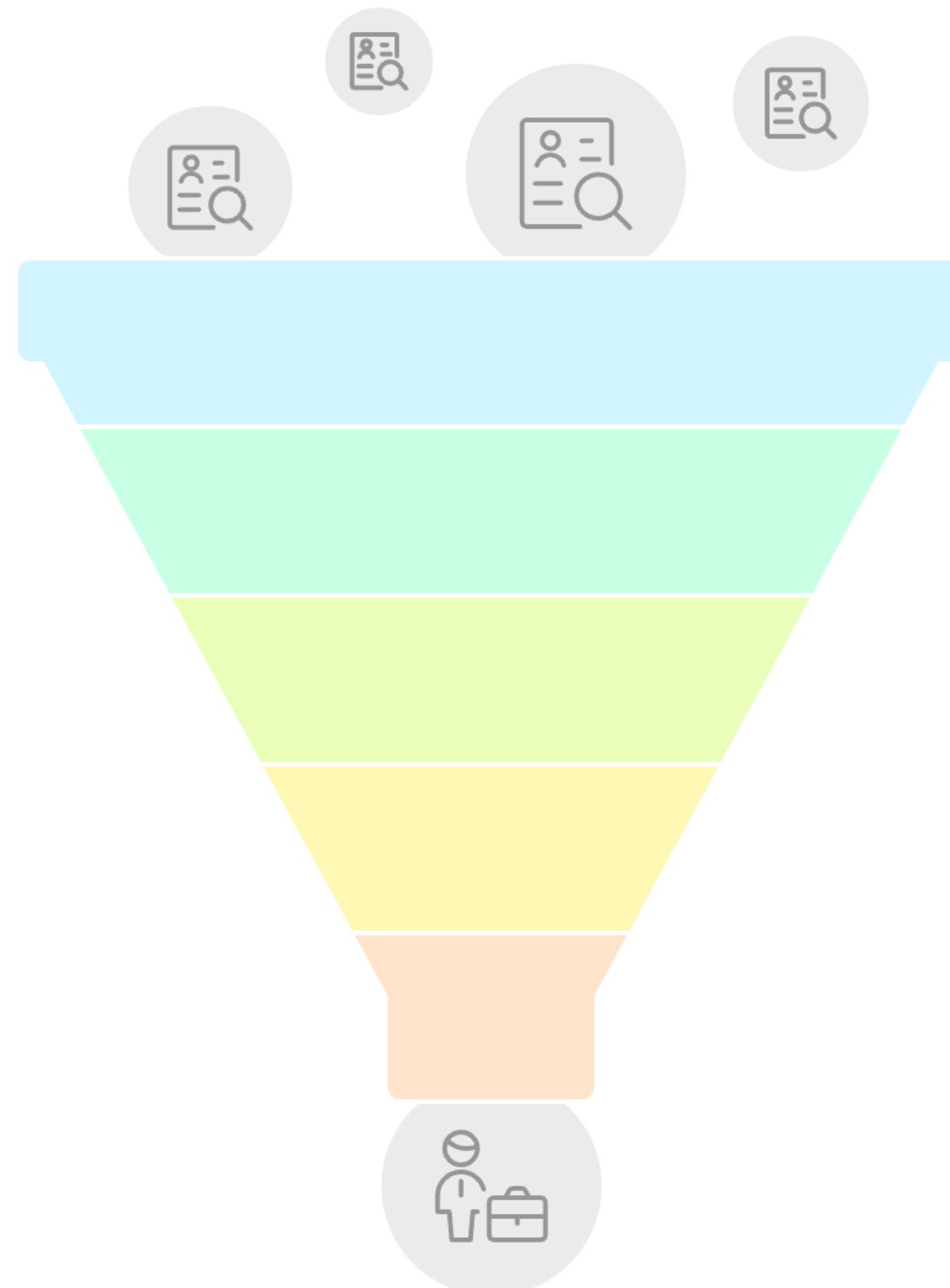
# MCP - chat with other systems

<https://github.com/firebase/genkit/tree/main/js/plugins/mcp>

- [mcpmarket.com](http://mcpmarket.com) – A plug-and-play directory of MCP servers for tools like GitHub, Figma, Notion, Databricks, and more.
- [mcp.so](http://mcp.so) – A growing open repo of community-built MCP servers. Discover one. Fork it. Build your own.
- Cline's MCP Marketplace – A GitHub-powered hub for open-source MCP connectors anyone can use.

# A2A - Agent to Agent

<https://developers.googleblog.com/en/a2a-a-new-era-of-agent-interoperability/>



## 400 Job Ads Researched

Candidates delve deeper into job details



## 100 Applications Submitted

Candidates formally apply for jobs



## 4 Interview Scheduled

Candidates move to the interview stage



## 2 Offer Received

Candidates receive job offers



## 1 Offer Accepted

# Good news, Bad news

- It's hard to build a real-world product
- It's easy to build a small helper

# Creating your Agent(s)

- Agents, not agent
- Quality vs quantity
- There is no one-fits-all

# Creating an agent

1. Chat with an LLM
2. Analyze what takes the most energy
3. Use the tools you're most comfortable with

# Building a Talent Agent

- Non-technical but want to have something working?
  - Use Gemini / ChatGPT + Browser Use
- Somewhat technical?
  - UI builders + N8N / Firebase Gen Kit
  - Telegram bot + N8N
- Software Engineers?
  - Agentic frameworks
  - Direct code

# Or... Existing Tools?

- Talent Agent
- LoopCV Lifetime link
- Hiring Cafe
- JobRight
- Magical
- Simplii

# Let's be mindful

- ~Brut force Automation~
- AI-assisted search
- Smart Automation
- Come prepared!

# Arms race

- AI screening tools
- AI assessment tools
- Eg: Potis.ai, Mercor, Apriora

# Next steps at your job search

- Quick results? Existing tooling
- Get new skills and have time? Build an agent

# Future

- Industrialization
- Cars
- Planes
- Computer
- Internet
- Generative AI and Agents



## Bonus

- N8N flow to better prep for an interview
- 10 seats - free access to Talent Agent Beta



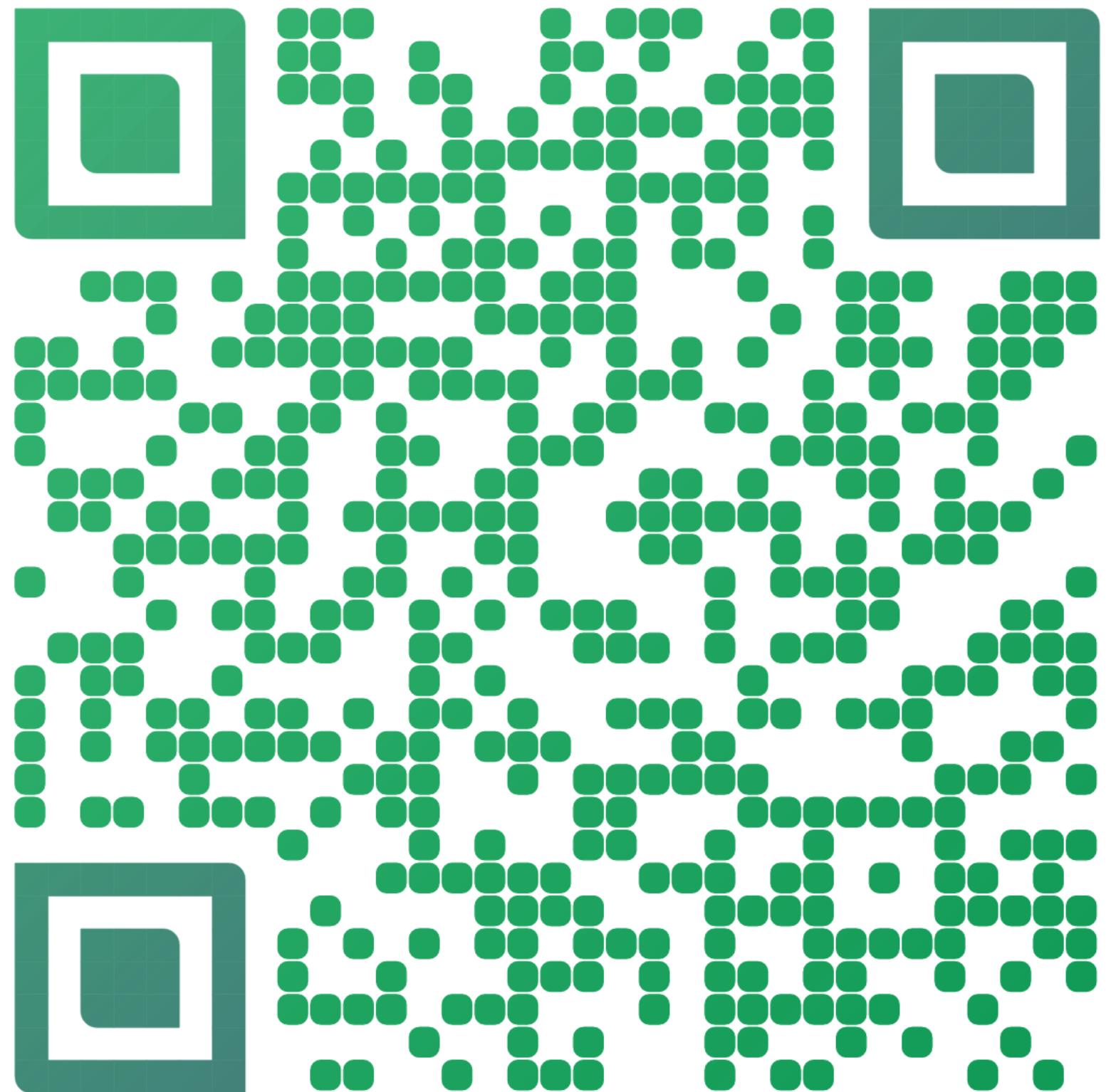
# Free APIs!



1. Google Gemini. 15 RPM for fast model
2. Groq. 30 RPM. Mistral / LLama / Qwen / Deepseek distilled
3. Hugging Face. 1000 RPD. Qwen / Deepseek distilled

# Practice

1. Generate Gemini API key: <https://aistudio.google.com>
2. Go through Genkit codelab
3. Create SmallAgents CodeAgent with network access and Gemini as an LLM
4. Create Browser Use agent that would work with a browser on your behalf



# Did you like the talk?

Connect to me on LinkedIn!  
And likes are always appreciated :)

[linkedin.com/in/arturkuzmin/](https://linkedin.com/in/arturkuzmin/)  
[twitter.com/ArtursTwit](https://twitter.com/ArtursTwit)  
[youtube.com: Artur Badretdinov](https://youtube.com: Artur Badretdinov)

# Tech Learning Bonus

Do you want to get a deep dive how to move from LLM to Agents?  
Go through these examples:

<https://github.com/ashishpatel26/AIAgentWorkshop/tree/main>