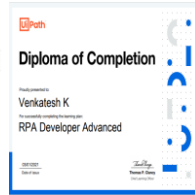




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## Venkatesh Kotte

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🔗 [LinkedIn](#)

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## AI & Intelligent Automation Specialist | Senior RPA Analyst/Developer

### Professional Summary

Strategic and hands-on AI Engineer & Senior RPA Developer with 8+ years of experience delivering intelligent automation solutions using Python, Fast API, SQL Server, and Oracle across diverse industries including Finance, Insurance, Logistics, and E-commerce. Specialized in integrating Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), and Streamlit to build dynamic, context-aware interfaces and retrieval workflows and RPA platforms like Automation Anywhere (AA360), UiPath, and Power Automate for enhanced operational efficiency.

Proficient in deploying cloud-native automation on AWS and Azure, with working knowledge of Google Cloud Platform (GCP). Adept at designing scalable APIs, orchestrating agentic systems, and implementing robust automation pipelines using Agile, DevOps, and CI/CD methodologies.

I am a proven communicator and mentor, skilled in leading client demos, governance reviews, and cross-functional collaboration. Passionate about digital transformation and committed to building resilient, high-impact automation solutions that streamline operations, enhance decision-making, and drive enterprise efficiency

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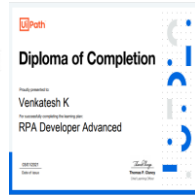
### Skills & Expertise

Category	Tools & Technologies
Languages	Python, JavaScript, SQL, VBScript, HTML, CSS
RPA Platforms	UiPath, Automation Anywhere (AA360), Power Automate
AI/ML	LLMs, RAG, GenAI, NLP, CNN, OCR, IQ Bot, AARI, LangChain, CrewAI, Document AI
Front-End	HTML5, CSS3, JavaScript, REST APIs, JSON, XML
Frameworks & Tools	FastAPI, Flask, Streamlit, LangChain, CrewAI
Cloud & DevOps	AWS, Azure, GCP, CI/CD, Git, Orchestrator
Testing & Monitoring	Bot Insights, Unit Testing, UAT, Cypress, Jest
Governance & Documentation	PDD, SDD, TDD, Agile, SDLC, Peer Reviews

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## Expertise

### Sr. RPA Analyst/Developer & AI Engineer – USAA, Plano, TX

 March 2021 – Present

**Environment:** UiPath, AA360, Python, HTML/CSS/JS, SQL Server, Azure, FastAPI, Streamlit

- Design, develop, and deploy RPA solutions using Agile methodologies within the SDLC framework, ensuring iterative automation development, process optimization, stakeholder collaboration, and continuous improvement through structured documentation, testing includes Unit, System QA and UAT, and Bot lifecycle management.
- Conducted detailed process assessments and feasibility studies, translating business requirements into scalable UiPath automation solutions.
- Facilitated workshops with stakeholders, process owners, and IT teams to define automation scope, ROI metrics, and success criteria.
- Created and maintained Process Definition Documents (PDDs), Solution Design Documents (SDDs), and Test Strategy documentation to ensure traceability and compliance.
- Designed and deployed end-to-end automation solutions using UiPath Studio, Orchestrator, Action Center, Apps, and Automation Cloud.
- Implemented Document Understanding and Computer Vision capabilities to automate unstructured data workflows such as invoice processing, claims handling, and customer onboarding.
- Developed reusable components and libraries to accelerate automation delivery and ensure consistency across enterprise bots.
- Managed bot lifecycle through UiPath Orchestrator, including scheduling, queue management, exception handling, and performance monitoring via Insights.
- Integrated AI capabilities (LLMs, NLP, GenAI) into UiPath workflows to enhance decision-making and contextual automation.
- Leveraged UiPath Task Mining and Automation Ops to identify new automation candidates and optimize existing workflows.
- Applied Power Platform tools (Power Automate, Power BI) to extend automation reach and deliver actionable insights to business users.
- Continuously monitored bot performance, conducted root cause analysis, and implemented enhancements to improve reliability and scalability.
- Collaborated with IT sec groups (Infrastructure, Security, Business Applications) to resolve dependencies and ensure smooth deployment across environments.
- Acted as a liaison between business and technical teams, translating functional needs into technical specifications and automation logic.
- Championed automation adoption across departments, conducting demos, training sessions, and onboarding workshops to drive awareness and engagement.




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- Led AI-driven automation initiatives integrating LLMs, RAG, and agentic systems with UiPath and AA360, enhancing decision-making and contextual workflows.
- Designed reusable automation frameworks and front-end interfaces using HTML, CSS, JavaScript, and REST APIs for seamless user experiences.
- Implemented AARI for intelligent task routing and form-based workflows, improving user interaction and operational efficiency.
- Engineered scalable APIs using FastAPI and integrated with enterprise platforms like Salesforce, SAP, and ServiceNow.
- Spearheaded bot migration from AA11 to AA360, optimizing performance and governance with Bot Insights and workload management.
- Mentored junior developers, conducted peer reviews, and led governance sessions to ensure best practices and code quality.
- Developed prompt engineering strategies for LLM-based automation and built predictive models for proactive process optimization.
- Scheduled and monitored bots via Orchestrator, ensuring high availability and resilience across production environments.

### **Robotic Process Automation Specialist/Analyst – FedEx, Memphis, TN**

 **Feb 2019 – Feb 2021**

- Designed, developed, and deployed Automation Anywhere bots for enterprise automation, reducing manual workload and enhancing efficiency.
- Configured OCR and Web Recorder for intelligent data extraction, improving Bot accuracy in handling structured/unstructured data.
- Managed Bot execution schedules, ensuring daily batch processing across vendor applications and internal systems.
- Led the staging and deployment of RPA solutions into test and live environments, ensuring seamless automation transitions.
- Optimized automated reporting techniques, integrating advanced email automation for exception handling.
- Developed PowerShell & VBA enhancements, streamlining automation performance across multiple business functions.

### **RPA Developer – USAA, San Antonio, TX**

 **Dec 2016 – Jan 2019**

- Designed and implemented meta bots and reusable automation frameworks for scalable RPA deployment.
- Automated Outlook mail activities using VBA macros, optimizing email workflows within automation processes.
- Conducted client demonstrations and governance meetings, establishing best practices for RPA operations.
- Implemented control room administration, managing workload balancing via Automation Anywhere Work Queues.
- Provided exception handling mechanisms, ensuring robustness and error-free automation executions.
- Led production debugging and optimization efforts, enhancing automation performance and reliability.



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## Education & Certifications

### Master of Science in Computer Science

University of Central Missouri, Missouri | GPA: 3.7 | 2015–2016

### Certifications

- Certified Associate Python Programmer (PCAP 31-03)
- Automation Anywhere Certified Advanced RPA Professional (AA2019/AA360)
- UiPath Advanced RPA Developer
- Microsoft Certified Azure AI Engineer Associate (AI-102)
- Microsoft Certified Azure AI Fundamentals (AI-900)

### Leadership & Impact

- Led cross-functional teams in delivering scalable automation and UI solutions aligned with Client's vision of innovation and customer delight.
- Defined UI/UX strategy and architecture for intelligent automation platforms, integrating AI agents and reusable components.
- Acted as a subject matter expert in front-end development and RPA governance, mentoring junior developers and driving best practices.
- Delivered client demos, stakeholder presentations, and onboarding sessions to foster collaboration and transparency.