# **NAME**

**Email:**

**Phone:**

**AI Engineer | Python**

## **PROFESSIONAL SUMMARY**

* Over 11 years of experience as an AI Engineer and Python Developer, designing, building, and deploying advanced AI solutions for enterprise clients across multiple industries.
* Designed, developed, and deployed autonomous AI agents capable of decision-making, task execution, and multi-agent collaboration across complex enterprise workflows.
* Built scalable agent-to-agent communication protocols and orchestration frameworks to manage distributed AI agent systems efficiently.
* Developed and integrated Python-based APIs and microservices to connect AI agents with enterprise systems, enabling seamless data flow and functionality.
* Designed and maintained catalog systems to automatically integrate, categorize, and orchestrate business use cases using LangChain and Python.
* Applied machine learning and NLP techniques to automate data extraction, classification, and predictive workflows across enterprise datasets.
* Implemented AI solutions leveraging OpenAI ChatGPT and internal LLMs to enhance AI agent reasoning, conversational capabilities, and workflow execution.
* Integrated multimodal AI interfaces using VoiceFlow for interactive, intelligent, and user-friendly agent interactions.
* Developed robust monitoring, logging, and alerting frameworks to ensure reliability, scalability, and high availability of AI systems.
* Optimized Python workflows, microservices, and APIs for performance, maintainability, and high-volume data processing.
* Applied Agile Scrum methodology and DevOps practices to deliver enterprise AI solutions iteratively and reliably.
* Mentored junior developers, conducted code reviews, and established coding and architecture best practices for AI agent development.
* Collaborated with cross-functional teams to translate complex business requirements into technical AI solutions aligned with organizational goals.
* Designed and deployed fault-tolerant, cloud-native AI systems using AWS, Docker, and Kubernetes to ensure scalable and resilient deployments.
* Contributed to AI innovation strategies and guided enterprise adoption of intelligent agent workflows and GenAI solutions.

## **TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Programming Languages:** | Python, SQL, Bash, JavaScript |
| **Frameworks/Libraries:** | LangChain, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Flask, FastAPI |
| **Databases:** | PostgreSQL, MongoDB, Redis, Snowflake |
| **Cloud Platforms:** | AWS (Lambda, EC2, S3), Azure, GCP |
| **DevOps & CI/CD:** | Docker, Kubernetes, Jenkins, Git, GitHub Actions |
| **AI & ML Tools:** | GenAI, LLM integration, NLP, predictive modeling, agent orchestration |
| **Monitoring & Logging:** | Prometheus, Grafana, ELK Stack |
| **ETL/Data Processing:** | Python pipelines, Pandas, Spark |
| **Methodologies:** | Agile Scrum, DevOps, Microservices Architecture |
| **Other Tools:** | VoiceFlow, REST/gRPC API integration, system architecture |

## **PROFESSIONAL EXPERIENCE**

### **Client: J.P. Morgan Chase, Tampa, FL**

**Role: Senior AI Engineer / Python Developer  
Duration:**

**Key Contributions:**

* Designed and deployed autonomous AI agents for enterprise workflows, enabling task automation, decision-making, and cross-system collaboration.
* Developed and maintained a GenAI-driven catalog system using LangChain and Python to automatically integrate and categorize use cases across business functions.
* Built Python APIs and microservices to ensure seamless agent-to-agent and system-to-agent communication for multi-agent orchestration.
* Integrated OpenAI ChatGPT and internal LLMs to enhance AI agent reasoning, conversational capabilities, and decision-making efficiency.
* Designed orchestration protocols to manage complex multi-agent workflows and task delegation across distributed systems.
* Implemented automated logging, monitoring, and alerting frameworks to ensure AI agent reliability, availability, and performance.
* Optimized Python workflows, APIs, and microservices for scalability, maintainability, and high-volume enterprise data processing.
* Integrated multimodal agent interfaces using VoiceFlow for voice-enabled and conversational interactions with enterprise systems.
* Collaborated with analysts and business stakeholders to translate complex requirements into functional AI agent solutions.
* Mentored junior developers, conducted code reviews, and established best practices for Python development and AI agent design.
* Deployed AI solutions on AWS cloud using Docker and Kubernetes to ensure resilient, fault-tolerant, and scalable infrastructure.
* Implemented CI/CD pipelines for automated build, test, and deployment of AI agent systems.
* Applied Agile Scrum methodology to iteratively deliver AI and GenAI solutions while maintaining alignment with business goals.
* Assisted teams in troubleshooting system integration issues, ensuring seamless connectivity across AI agents and enterprise systems.

**Environment:** Python, LangChain, OpenAI ChatGPT, VoiceFlow, Flask, FastAPI, REST/gRPC APIs, Docker, Kubernetes, AWS (Lambda, EC2, S3), Redis, PostgreSQL, Git, Jenkins, CI/CD, Agile Scrum

### **Client: Truist Bank, Charlotte, NC**

**Role: AI/ML Engineer  
Duration:**

**Key Contributions:**

* Developed AI agents and Python microservices to automate enterprise financial workflows including reporting, reconciliation, and compliance.
* Built robust REST APIs to integrate AI agent functionality with legacy and modern financial systems.
* Applied NLP for parsing, classification, and entity extraction of large-scale financial documents and datasets.
* Designed ETL pipelines to handle structured and unstructured financial data for AI agent training and predictive analytics.
* Implemented multi-agent orchestration protocols to manage task execution, data flow, and system interactions.
* Integrated internal LLMs to enhance AI agent decision-making and predictive capabilities in financial processes.
* Built dashboards and monitoring tools to track AI agent performance, workflow execution, and system health.
* Optimized Python workflows for high-volume processing, data transformation, and automation reliability.
* Automated repetitive financial processes to increase operational efficiency and reduce manual errors.
* Conducted code reviews, mentored junior developers, and enforced Python coding and architecture best practices.
* Assisted teams with system integration and troubleshooting to ensure seamless AI agent interactions across platforms.
* Applied Agile Scrum methodology for iterative development, delivery, and continuous improvement of AI solutions.
* Implemented CI/CD pipelines to automate testing, deployment, and version control of Python-based AI agents.
* Collaborated with business teams to align AI workflows with regulatory compliance and enterprise standards.

**Environment:** Python, LangChain, TensorFlow, PyTorch, Pandas, NumPy, Flask, FastAPI, REST APIs, Docker, Kubernetes, AWS, PostgreSQL, Redis, Git, Jenkins, CI/CD, Agile Scrum

### **Client: Humana, Louisville, KY**

**Role: Python Developer / ML Engineer  
Duration:**

**Key Contributions:**

* Developed Python-based AI agents and automation scripts to optimize patient scheduling, engagement, and virtual assistant workflows.
* Built ETL pipelines for processing structured and unstructured healthcare data, ensuring accurate input for AI models.
* Applied NLP techniques for document classification, entity extraction, and predictive healthcare workflow management.
* Developed APIs and microservices to integrate AI agent capabilities with EMR/EHR systems and internal platforms.
* Built monitoring, logging, and alerting frameworks to maintain AI agent performance, reliability, and fault tolerance.
* Automated repetitive workflows to reduce manual effort, improve efficiency, and minimize errors in healthcare operations.
* Optimized Python scripts and AI workflows for batch processing, performance, and scalability.
* Designed dashboards and visualizations to track AI agent performance, model outputs, and workflow metrics.
* Mentored junior developers and conducted code reviews to maintain Python best practices and system standards.
* Applied Agile Scrum methodology to deliver AI and ML solutions iteratively and aligned with business goals.
* Assisted teams with troubleshooting, system integration, and cross-platform AI agent connectivity.
* Ensured secure handling of sensitive healthcare data in compliance with HIPAA and enterprise security standards.
* Collaborated with cross-functional teams to translate healthcare business requirements into AI agent solutions.
* Contributed to technical documentation and knowledge sharing for AI and automation workflows.

**Environment:** Python, LangChain, Pandas, NumPy, Scikit-learn, Flask, REST APIs, PostgreSQL, MongoDB, Docker, Git, CI/CD, Agile Scrum

### **Client:**

**Role: Python Developer  
Duration:**

**Key Contributions:**

* Developed Python automation scripts and AI agent prototypes for inventory management and supply chain workflows.
* Built ETL pipelines to process sales, customer, and operational data for AI-driven insights.
* Applied predictive ML models for demand forecasting and trend analysis using Python.
* Developed REST APIs and microservices for seamless integration with ERP and retail systems.
* Optimized Python scripts and automation workflows for high-volume processing, scalability, and reliability.
* Assisted in integrating AI agent prototypes with legacy enterprise software and databases.
* Built monitoring dashboards to track automation workflow execution and system performance.
* Conducted code reviews, mentored junior developers, and ensured Python best practices were followed.
* Automated repetitive retail workflows to improve operational efficiency and reduce manual intervention.
* Applied Agile Scrum methodology to plan, deliver, and iterate automation and AI projects.
* Assisted in testing, troubleshooting, and deploying Python automation solutions.
* Documented Python workflows, system integration approaches, and automation strategies.
* Collaborated with cross-functional teams to align automation and AI solutions with business goals.
* Contributed to enterprise-wide automation and AI adoption strategies.

**Environment:** Python, Pandas, NumPy, Scikit-learn, Flask, REST APIs, PostgreSQL, Docker, Git, CI/CD, Agile Scrum

### **Client:**

**Role: Python Developer  
Duration:**

**Key Contributions:**

* Developed Python-based automation frameworks for enterprise business workflows and early AI prototypes.
* Built ETL pipelines to process structured and unstructured enterprise data for automation and AI solutions.
* Developed REST APIs to integrate automation workflows and AI modules with enterprise applications.
* Implemented predictive analytics workflows using Python for operational optimization.
* Built logging, monitoring, and alerting frameworks to maintain workflow reliability and system performance.
* Assisted in integrating AI/automation workflows with legacy enterprise systems.
* Optimized Python scripts and workflows for batch processing and high-volume data handling.
* Conducted code reviews, mentored junior developers, and ensured adherence to Python development standards.
* Automated repetitive workflows to improve operational efficiency across business functions.
* Designed dashboards for monitoring AI and automation workflow metrics.
* Applied Agile methodology for iterative project delivery and continuous improvement.
* Ensured secure handling of enterprise data and compliance with organizational policies.
* Collaborated with business and IT teams to translate requirements into technical AI solutions.
* Contributed to enterprise-wide AI and automation strategy development.

**Environment:** Python, Pandas, NumPy, Flask, REST APIs, PostgreSQL, Docker, Git, CI/CD, Agile Scrum