

AI Mastermind
Self-Taught Python Developer & Full-Stack Engineer

SUMMARY

- Self-taught software engineer with hands-on experience designing and building production-ready Python services and full-stack applications.

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, SQL

Backend: FastAPI, Flask, RESTful APIs, microservices, Pandas, SQLAlchemy

Frontend: React, TypeScript, Streamlit, TailwindCSS

Data: Postgres, SQLite, Pandas; familiar with Oracle/PL-SQL; strong SQL skills and experience optimizing queries

DevOps & Tools: Docker, GitHub Actions, Terraform (introductory), AWS (EC2, S3), CI/CD, Ed25519 cryptographic signing

Methodologies: Test-Driven Development, Agile/Scrum, Security & Compliance, Documentation

PROJECT EXPERIENCE

Lexvion – Compliance SaaS Platform

- Architected and implemented a microservice-based backend with FastAPI and Postgres to deliver a trust center for clients.
- Integrated OpenAI GPT models to provide real-time compliance Q&A; designed prompts and handled context and privacy.
- Implemented cryptographically signed audit logs using Ed25519 to ensure tamper-proof evidence of all interactions.
- Built a React/TypeScript dashboard using TailwindCSS to visualise trust data, manage policies and interact with the API.
- Automated deployment and audit pipelines using Docker and GitHub Actions; focused on security, scalability and user experience.

Operators Lead Scoring API – Data-Driven Scoring Platform

- Developed a Python FastAPI service that processes lead data and computes scores using Pandas and custom algorithms.
- Designed RESTful endpoints for lead submission, scoring and analytics; ensured asynchronous performance and robust validation.
- Built a Streamlit dashboard to visualise lead scores and usage analytics; integrated with GPT for explanation of scores.
- Wrote comprehensive tests and implemented CI/CD via GitHub Actions; emphasised modularity and maintainability.

ADDITIONAL PROJECTS & CONTRIBUTIONS

- Created multiple full-stack applications using Flask and React, including user authentication and third-party API integrations.
- Contributed to open-source projects and produced code samples showcasing best practices in Python and JavaScript.

JOB-SPECIFIC HIGHLIGHTS

- Emphasised expertise in building AI-powered microservices using FastAPI and integrating OpenAI models.
- Highlighted experience designing and optimizing data pipelines (Pandas) and REST APIs.
- Mentioned familiarity with AWS services and commitment to learning Bedrock, SageMaker.
- Stressed self-taught background and proven ability to deliver without formal degree.

EDUCATION & DEVELOPMENT

- Self-taught: Completed numerous online courses and certifications in computer science, algorithms and machine learning.
- Continuous learning: Actively explore new tools such as LangChain, Terraform and PL/SQL to expand my skill set.