Uko Favour Chijioke

Phone: +2349034812418
Email: michaelchijioke07@gmail.com
GitHub: github.com/michaelpapi

Profile

I'm a results-driven Software Engineer with proven expertise in backend web development, Python programming, and practical AI & machine learning solutions. Adept at building scalable applications in Python, with hands-on experience in SQL database integration, RESTful API design, and e-commerce platforms. I have a strong track record of implementing ML-powered features, business logic, and system optimizations. I have a record for versatility, rapid learning, and a passion for delivering robust, production-ready solutions.

Core Skills

- **Programming:** Python (API and ML services), SQL

- **Web Frameworks:** Django, Django REST Framework, LangChain, LangGraph, TensorFlow & Sk-Learn

- **Tools:** Git, GitHub, Docker (basics), Linux CLI

- **Soft Skills:** Problem-solving, teamwork, attention to detail, effective communication, time management

Projects

E-Commerce Web Application

Tech: Python, Django, Django REST Framework, Redis, PostgreSQL

- Built a secure platform enabling user registration, authentication, product browsing and purchases.

- Implemented coupon-based discounts and an intelligent recommendation engine leveraging Redis and historical purchases.

- Delivered clean architecture, unit/integration tests, and maintained clear documentation.

Machine Learning & AI Modeling

Tech: scikit-learn, TensorFlow, Keras, Pandas, NumPy

- Developed ML models for classification, regression, and data analysis.

- Designed and trained deep learning architectures for image and text recognition tasks.

- Applied advanced techniques in data preprocessing, feature engineering, and hyperparameter optimization.

Domain Retriever Agent

Tech: LangChain, LangGraph

- Created a retriever node that fetches user queries and retrieves the correct domain and returns relevant documents to help the LLM agent make enhanced answers.
- Used FAISS and Qdrant as Vector Database stores to store embeddings from domain documents.
- Created a user stateful management that allows user management of thread and session.
- Allowed correct logging of queries in summarized text by llm agents for further action.

For additional projects and detailed code samples, visit my GitHub profile.

Professional Experience

Junior Backend Developer
Plutus Tech, Abuja, Nigeria
June 2024 – December 2024

- Developed and maintained backend APIs using Python and Django for blockchain-based platforms.

- Automated deployment and operational routines with Celery and Redis, improving workflow reliability.

- Contributed to the design and scaling of cloud infrastructure on AWS.

- Integrated system monitoring (Grafana, Prometheus) to ensure high uptime.

- Participated in smart contract testing and debugging.

Education

Backend Certification: ALX Software Engineering Programme, Backend Specialization | 2023–2024

📄 17-short-specializations-certificate-favour-uko.png

Activities & Interests

Literature - Environmental Conservation - Art - Yoga - Chess - Travel - Poetry

References

Available upon request.