Oluwaseyi Oyewunmi, Software Engineer

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PROFILE

Versatile Software Engineer and DevOps Professional with 5+ years of experience architecting high-performance back-end systems and ML solutions that deliver measurable business impact. Proven track record of optimizing infrastructure costs (40-50% reduction) while maintaining 99% up-time across cloud environments. Expertise in designing fault-tolerant micro-services architectures and containerizing applications with Docker/Kubernetes.

EMPLOYMENT HISTORY

Software Engineer , Aktivate

Jan 2025, Delaware, United States

- Engineered a comprehensive social media databank system using Python, automating data collection across Instagram, Facebook, Twitter, LinkedIn, and YouTube for influencer marketing analytics.
- Developed sophisticated data processing algorithms calculating engagement metrics and performance indicators, enabling data-driven campaign optimization and influencer selection.
- Implemented AI-powered query agents using natural language processing, allowing team members to extract insights from the databank through conversational interfaces.
- Architected the entire deployment infrastructure, configuring EC2 instances, establishing CI/CD pipelines, and containerizing the application with Docker for consistent deployment.
- Designed comprehensive monitoring solutions tracking scraper performance, data integrity, and system health, ensuring reliable operation with minimal downtime.

Lead Software Engineer, FeteFlex

Jun 2024 — Present, Lagos

- Led the development of a microservices-based back-end using FastAPI, achieving a 70% improvement in response times and supporting 100% up-time through effective load balancing and fault tolerance strategies.
- Played a pivotal role in adopting gRPC for our APIs, significantly improving data retrieval efficiency and reducing bandwidth usage by 40%, which enhanced mobile user experiences in low-bandwidth scenarios.
- Drove the adoption of containerization with Docker and orchestration with Kubernetes, streamlining deployment processes and achieving a 50% reduction in AWS cloud infrastructure costs and 40% reduction in time-to-deployment.

Software Engineer, Hordanso LLC

Sep 2021 — Mar 2025, Texas, United States

- Developed scalable backend systems and ML pipelines using Python and FastAPI, optimizing transaction throughput and reducing model integration time across production environments.
- Architected cloud infrastructure achieving 99% improved uptime, implementing CI/CD automation with Docker/Kubernetes while deploying services on GCP(Google Cloud Platform) and managing VM environments on Proxmox.
- Developed and maintained RESTful APIs and microservices architecture using FastAPI, implementing caching strategies and database optimizations that reduced server load and enhanced efficiency.
- Championed a DevSecOps culture, integrating security practices into the CI/CD pipeline, which led to a 60% reduction in security vulnerabilities identified in prod environment

Software Engineer, RouletteAid

Jul 2022 — Sep 2023, Madrid, Spain

- Led development of Roulette Aid, an ML-powered desktop application predicting outcomes with 80%+ accuracy, resulting in 5x user engagement and significant revenue growth. Created ML models using scikit-learn and TensorFlow with continuous monitoring and retraining capabilities.

- Designed scalable backend architecture using FastAPI achieving 20ms average response time, with a fault-tolerant SQL database optimized for real-time data processing. Implemented advanced indexing, caching techniques, and multi-threaded processing that reduced computation time by 60%.
- Implemented comprehensive security through OAuth 2.0, code obfuscation, and encryption to protect proprietary algorithms while developing a tiered licensing system with secure FTP updates.

Software Engineer, GreatSomme Inc

Mar 2021 — Nov 2022, Lagos, Nigeria

- Led the development of a revolutionary Django web application for assignment distribution and submission, revolutionizing academic workflows with enhanced student autonomy.
- Developed a predictive model that accurately forecasts student's performance with 89.8% accuracy using machine learning
- Implemented an automated testing suite using Selenium that reduced manual testing time by 70%

EDUCATION

Federal University Of Technology Akure, B. Tech Statistics

Feb 2018 — Feb 2024, Akure