

# FEMI AKINLOTAN

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Locations: London, UK | On Site | Hybrid | Remote

## PROFILE

Results-driven AI & Platform Engineer with hands-on experience building and deploying end-to-end machine learning, generative AI, and LLM-powered systems. Skilled in Python, cloud-native technologies, LangChain/LangGraph, vector databases, experiment tracking, and modern ML engineering workflows. I bring a strong foundation in system design, backend/API development, DevOps, observability, and scalable infrastructure enabling robust, production-grade AI solutions beyond prototyping.

TECHNICAL SKILLS	CERTIFICATIONS
<ul style="list-style-type: none"><li>• Languages &amp; Systems: Python, Go, Typescript &amp; Linux</li><li>• Cloud &amp; IaC: AWS, Azure, Terraform, Crossplane, Ansible</li><li>• Containers &amp; CI/CD: Docker, Kubernetes, OpenShift, Helm, Jenkins, ArgoCD, GitHub Actions, GitLab CI</li><li>• Monitoring &amp; Observability: OpenTelemetry, Prometheus, Grafana, DataDog, New Relic &amp; Sentry.</li><li>• GenAI &amp; LLM Tools: LangChain, LangGraph, LangFuse, LangSmith, MLflow, Ollama &amp; vLLM.</li><li>• Experience with NoSQL and Vector Databases</li></ul>	<ul style="list-style-type: none"><li>• <a href="#">AWS Certified Cloud Practitioner</a></li><li>• <a href="#">AWS Certified Solutions Architect - Associate</a></li><li>• <a href="#">HashiCorp Certified: Terraform Associate (003)</a></li><li>• <a href="#">ISC2: Certified in Cybersecurity (CC)</a></li><li>• <a href="#">CKA: Certified Kubernetes Administrator</a></li></ul>

## PROJECTS

### TFL Journey Expense Intelligence Platform

Built an AI-driven platform that automates TFL journey expense extraction, document Q&A, and YouTube tutorial summarization using RAG and LLM-based agents.

- Implemented intelligent expense summarization, calculate total commute cost for selected working days, reducing manual reconciliation time by 90% and enabling month-to-month comparison via dynamic charts.
- Developed multi-modal document & video assistant allowing users to chat with invoices, PDFs, and YouTube captions using hybrid RAG, Gemini and OpenAI models, and fallback web-search agents with source attribution.
- Designed full observability stack with LangSmith tracing, LLM-as-Judge, evaluation pipeline, and agent analytics, improving retrieval latency by 30% and significantly enhancing model evaluation and monitoring.

### Secure API Management Platform

Built and deployed a secure, scalable RESTful API using Go, Kubernetes, and OpenTelemetry.

- Implemented JWT-based authentication, RBAC, API key rotation, and rate limiting to enforce access control.
- Integrated Swagger for API documentation and Jaeger for distributed tracing to improve debuggability.
- Added observability with Prometheus and Grafana, enabling real-time performance monitoring and alerting.
- Tuned API gateway policies and optimized service architecture, reducing request latency by 25% and improving system scalability.

### Enterprise Developer Portal Implementation with Port

Built an internal developer portal to standardize service delivery, accelerate onboarding, and improve operational consistency.

- Integrated Port to streamline workflows and automate service catalog management across multi-cloud environments.
- Enabled self-service infrastructure provisioning using Terraform and Crossplane, reducing manual steps and ensuring consistent environments.
- Cut environment setup time from days to under 30 minutes and reduced onboarding time by 60% through automated workflows and reusable infrastructure blueprints.

## EXPERIENCE

### FIELD DESIGN ENGINEER (CE), APPLE | LONDON - JUNE 2024 - NOVEMBER 2024

- Migrated Denso robotic control systems to a unified, high-availability platform using secure DNS and domain-based access, eliminating reliance on static IPs with zero downtime.
- Automated robotic test scenarios using Denso systems, reducing manual testing overhead by 30+ hours per week.
- Developed and maintained automated regression test suites to validate end-to-end system behavior against compliance and performance benchmarks.
- Performed in-depth analysis of telemetry data and system logs to identify performance bottlenecks and reduce wireless/payment system failure rates by 15% in production environments.

### GENIUS, APPLE | LONDON - MAY 2022 - PRESENT

- Delivered frontline technical diagnostics and incident resolution for macOS and iOS devices, consistently resolving 100+ complex hardware/software issues weekly with a >95% first-time fix rate.
- Applied structured debugging methodologies to isolate and resolve faults across device firmware, operating systems, and hardware subsystems.
- Operated under high-pressure, SLA-driven environments, maintaining a 95% customer satisfaction score while ensuring timely resolution of critical incidents.
- Documented recurring fault patterns and contributed to internal knowledge bases, reducing time-to-resolution for known issues and improving team efficiency.

### CAREER BREAK, PERSONAL DEVELOPMENT | LONDON - SEPT 2021

- Relocated to the UK to pursue a Master's degree and broaden technical exposure.
- Built cloud-native projects with Kubernetes, Terraform, CI/CD, and observability tooling.
- Gained practical experience applying DevOps and SRE principles to real-world systems.

### SYSTEM ADMINISTRATOR, DAAR COMMUNICATIONS PLC | LAGOS - FEB 2014 - AUG 2021

- Led migration from analogue to digital radio transmission across multiple regions, improving broadcast stability and audio clarity.
- Administered and optimized a fleet of 50+ production servers, implementing monitoring and preventative maintenance strategies to sustain 99.9% uptime across critical systems.
- Conducted systems performance tuning, patch management, and capacity planning to ensure high availability of broadcast and backend services.
- Designed and maintained centralized user identity and access management using LDAP and Active Directory, improving access control, auditability, and security posture.

### COMPUTER REPAIR TECHNICIAN (APPRENTICE), DELESORE NG LTD | LAGOS - NOV 2010 - DEC 2013

- Diagnosed and repaired 60+ client systems weekly, improving hardware replacement workflows and software remediation processes to reduce turnaround time by 25%.

## EDUCATION

### UNIVERSITY OF WESTMINSTER | LONDON - MSC FINANCIAL TECHNOLOGY WITH BUSINESS ANALYTICS, 2023

- Applied machine learning (LSTM), statistical analysis, and programming on large financial datasets. Studied systems including blockchain, algorithmic trading, and digital banking – reinforcing analytical and data-driven problem-solving applicable to infrastructure and platform engineering.

### FOUNTAIN UNIVERSITY | NIGERIA - BSC COMPUTER SCIENCE, 2015

- Gained strong foundation in data structures, algorithms, operating systems, computer networks, and software engineering.
- Applied Java, Python, and C to academic projects and coursework.