

Oluwatosin Jegede

PLATFORM & RELIABILITY ARCHITECT | AWS · GCP · KUBERNETES · TERRAFORM ·
DEVSECOPS · OBSERVABILITY

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Location: Chester, United Kingdom

Portfolio: <https://oluwatossin.github.io>

PROFESSIONAL SUMMARY

Cloud and Platform Architect with a fusion of DevOps execution, SRE discipline, and DevSecOps rigor, delivering secure, scalable, and observable systems across AWS and GCP.

I design infrastructure that thinks — pipelines that self-govern, environments that heal, and platforms that turn velocity into reliability.

Over the last four years, I've led multi-cloud initiatives that:

- Achieved 99.95%+ uptime for production workloads across regulated fintech systems.
- Reduced operating costs by 30% through FinOps-driven right-sizing and architectural refactoring.
- Implemented full-stack observability frameworks and SRE standards that cut MTTR from 45 to under 15 minutes.
- Embedded compliance-as-code (PCI-DSS, GDPR, CIS) into Terraform pipelines and GitHub Actions workflows.

My goal: to engineer cloud systems where reliability is not a reaction, but a property of design.

CORE COMPETENCIES

Cloud: AWS (EKS, ECS, SageMaker, Lambda, RDS, VPC), GCP | **laC:** Terraform, CloudFormation | **CI/CD & GitOps:** GitHub Actions, Jenkins, Argo CD, Helm | **Containers & Platform:** Kubernetes (EKS, Istio), Docker | **Observability & SRE:** Prometheus, Grafana, CloudWatch, SLIs/SLOs, Incident Automation | **Security & Compliance:** DevSecOps, IAM, KMS, PCI-DSS, GDPR, CIS Benchmarks, OPA/Checkov | **FinOps & Governance:** Cost Explorer, Savings Plans, Right-Sizing, VPC Endpoints | Scripting: Python, Bash

SELECTED EXPERIENCE & IMPACT

Help.NGO (Humanitarian OpenStreetMap / TAK Project) | Cloud Advisor

Dec 2023 – Present (part-time advisory)

- Advising on secure, compliant, and resilient AWS infrastructure supporting humanitarian mapping operations.
- Guided IaC standardization using Terraform and GitHub Actions.
- Assisted with observability baselines and GDPR-aligned data protection frameworks.
- Supported compliance documentation for humanitarian cloud deployments.

Sovereign Technology & Innovation Limited — DevOps & Security Engineer (Full-Time)

Aug 2024 – Jul 2025

- Architected and operated a production-grade financial platform on AWS designed for resilience, compliance, and automation at scale.
- Engineered multi-cluster EKS environments with Istio service mesh and auto-scaling policies sustaining 99.95% uptime.
- Built paved paths with Terraform and GitHub Actions, enabling one-click deployments across blue/green environments.
- Established SRE frameworks — SLIs, SLOs, and golden signals visualized in Grafana for error-budget tracking.
- Integrated policy-as-code and DevSecOps controls using Checkov and AWS Config to enforce PCI-DSS and CIS compliance.
- Delivered FinOps dashboards combining Cost Explorer APIs and Lambda analytics for proactive optimization.

Afren.ai — DevOps Engineer (Full-Time, Remote)

Dec 2022 – Jul 2024

- Developed a self-service MLOps platform that bridged DevOps automation with ML lifecycle governance.
- Automated ingestion-to-inference pipelines with SageMaker, Step Functions, and Lambda, cutting manual operations by 60%.
- Created Terraform-managed infrastructure for model versioning, access control, and encryption, ensuring GDPR compliance.

- Implemented observability pipelines with CloudWatch, Prometheus, and Grafana — improving SLA adherence by 40%.
- Embedded SRE practices (error budgets, synthetic monitoring) to reduce model drift and response latency.

Freelance Cloud Architect — Independent Contractor (AWS/GCP)

May 2021 – Present | Global (Contract engagements alongside full-time roles)

- Delivered enterprise-grade cloud infrastructure across AWS and GCP for fintech and healthtech clients.
 - Designed cross-cloud high-availability architectures achieving 99.9% uptime using load balancing and replication strategies.
 - Built internal platform frameworks using Terraform and ArgoCD that reduced provisioning time by 60%.
 - Implemented compliance-as-code pipelines that automated vulnerability scanning (Checkov, Snyk) and rollback validation.
 - Introduced FinOps discipline that saved clients £3K–£5K monthly in cloud expenditure.
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PORTFOLIO CASE STUDIES

- **GenAI Fraud Detection Pipeline (AWS)** — Deployed SageMaker models behind Flask APIs, reducing fraud detection latency from minutes to seconds.
 - **FinBankOps (Fintech)** — Built a multi-region EKS GitOps platform with Istio and Prometheus, achieving PCI-DSS readiness and 99.95% uptime.
 - **Cloud Cost Governance** — Automated forecasting and spend analytics using AWS Lambda and Cost Explorer APIs, saving 30% monthly costs.
 - **ML Compliance Dashboard** — Delivered unified observability with Grafana, Prometheus, and CloudWatch, reducing audit preparation time by 70%.
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CERTIFICATIONS

- AWS Certified DevOps Engineer – Professional (2025)
 - AWS Certified Machine Learning Engineer – Associate (2025)
 - AWS Certified Security – Specialty (2023)
 - AWS Certified Developer – Associate (2023)
 - AWS Certified Solutions Architect – Associate (2022, renewed 2024)
 - Google Associate Cloud Engineer (2024)
 - Kubernetes & Cloud Native Associate (2025)
 - GitHub Advanced Security (2025)
 - Additional Trainings: Cisco Ethical Hacker, Cisco CyberOps Associate
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EDUCATION

M.Sc. Animal Biotechnology – Federal University of Agriculture, Abeokuta | B.Tech. Animal Production & Health – FUT Akure | Diploma, Computer Engineering – Datashield Institute

ADDITIONAL INFORMATION

- Availability: Immediate start
- Right to Work: Eligible to work in the UK without sponsorship
- References: Available upon request