

# Oluwatosin Jegede

PLATFORM · DEVOPS · SRE ENGINEER

AWS | GCP | KUBERNETES (EKS/ISTIO) | TERRAFORM | CI/CD | OBSERVABILITY & DEVSECOPS

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Location: Chester, United Kingdom

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

## PROFESSIONAL SUMMARY

AWS- and GCP-certified Platform, DevOps & SRE Engineer with 4+ years of experience designing and automating secure, scalable cloud platforms for fintech, AI, and humanitarian workloads. Skilled in building developer-focused systems that integrate Terraform-based IaC, Kubernetes orchestration, and GitOps delivery with observability, reliability, and compliance controls. Demonstrated impact includes 30% cloud cost reduction, 99.95% uptime, and end-to-end DevSecOps automation aligned with PCI-DSS, GDPR, and CIS benchmarks. Passionate about creating internal platforms that unite velocity, reliability, and security by design.

## CORE COMPETENCIES

**Cloud:** AWS (EKS, ECS, SageMaker, Lambda, RDS, VPC), GCP | **IaC:** 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

## PROFESSIONAL EXPERIENCE

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

Aug 2024 – Jul 2025

- Engineered multi-cluster, low-latency Kubernetes (EKS) platforms achieving 99.95% SLO for our financial service workloads.
- Automated infrastructure provisioning and deployments using Terraform and GitHub Actions, implementing blue/green and rolling updates for zero downtime.
- Integrated Prometheus, Grafana, and CloudWatch for full-stack observability, cutting MTTR by 45% through real-time telemetry and alert correlation.
- Embedded DevSecOps controls (IAM least privilege, KMS encryption, Checkov, and Snyk) ensuring PCI-DSS and GDPR readiness.
- Developed FinOps dashboards for cost visibility and scaling efficiency, reducing monthly infrastructure spend by 20%.
- Collaborated with developers to create paved CI/CD paths and golden IaC modules, standardizing deployments across all environments.

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

Dec 2022 – Jul 2024

- Built end-to-end ML pipelines on AWS (SageMaker, Step Functions, Lambda), automating ingestion-to-inference flows and reducing manual operations by 60%.
- Designed a self-service MLOps platform with Terraform and CI/CD pipelines, allowing data scientists to securely deploy models with IAM-scoped permissions and encryption.
- Standardized observability across model endpoints using CloudWatch metrics, Grafana dashboards, and alerting, improving SLA adherence by 40%.
- Introduced SRE practices (SLO tracking, error budgets, synthetic monitoring) to reduce production latency and incident recurrence.
- Integrated DevSecOps and compliance automation via AWS Security Hub, Config Rules, and Checkov, ensuring continuous GDPR alignment.

### Freelance Cloud Architect — Independent Contractor (AWS/GCP)

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

- Architected multi-region, low-latency cloud platforms across AWS and GCP with 99.9% uptime, using service mesh, autoscaling, and cross-cloud failover.
- Developed reusable Terraform and CloudFormation modules for standardized network, IAM, and security provisioning reducing setup time by 60%.

- Implemented GitOps CI/CD pipelines with policy-as-code enforcement, vulnerability scanning, and canary rollouts, cutting deployment failures by 30%.
- Designed SRE observability stacks with Prometheus and Grafana to track golden signals and enforce SLIs/SLOs across multi-cluster environments.
- Embedded DevSecOps frameworks with IAM segmentation, encryption, and compliance automation (AWS Config, Security Hub).
- Applied FinOps optimization, saving £3K–£5K monthly per client through right-sizing, Savings Plans, and VPC endpoint cost controls.

## PORFOLIO 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

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## ADDITIONAL INFORMATION

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