

# Oluwatosin Jegede

CLOUD CONSULTANT | DEVOPS ENGINEER | ML INFRASTRUCTURE DELIVERY SPECIALIST

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

## PROFESSIONAL SUMMARY

AWS-certified Cloud and DevOps Engineer with 3+ years of experience designing and operationalizing cloud-native and ML infrastructure on AWS and GCP. Skilled in CI/CD automation, Kubernetes orchestration, and Infrastructure as Code using Terraform and CloudFormation. Delivered up to 30% cost savings, 50% faster deployments, and 99.99% uptime across fintech, healthcare, and nonprofit platforms. Adept at partnering with cross-functional teams and guiding stakeholders to deliver secure, scalable, and compliant solutions that accelerate innovation.

## CORE COMPETENCIES

Cloud & ML Services: SageMaker, Lambda, Step Functions, ECS, EKS | IaC: Terraform, CloudFormation | CI/CD: GitHub Actions, Jenkins | Monitoring: Prometheus, Grafana, CloudWatch | Security: IAM, KMS, CIS Benchmarking | Languages: Python, Bash, SQL, PowerShell.

Applied these tools to deliver up to 30% cloud cost savings, 50% faster deployments, and 99.99% uptime across production environments.

## PROFESSIONAL EXPERIENCE

### Sovereign Technology & Innovation Limited

#### DevOps Engineer | Aug 2024 – July 2025

- Optimized AWS infrastructure to achieve 99.99% uptime while cutting operational costs by 20% (~\$7K/year) across 50+ EC2 instances and multiple workloads.
- Partnered with developers and QA teams to automate provisioning with Terraform/CloudFormation, accelerating environment delivery by 40% and eliminating config drift.
- Collaborated with security engineers to embed compliance guardrails into CI/CD pipelines, ensuring CIS benchmarks were met from the start.
- Coordinated with incident response teams to integrate Prometheus, Grafana, and CloudWatch, reducing MTTD by 55% and cutting response time from hours to under 15 minutes.

### Afren Incorporated

#### DevOps Engineer (Remote) | Dec 2023 – July 2025

- Built and maintained ML platforms across AWS regions, automating pipelines from ingestion to inference with Step Functions and Lambda, reducing manual intervention by 60%.
- Partnered with data scientists to co-design modular SageMaker infrastructure, enabling secure scaling of 10+ ML models with encryption and IAM-based access controls.
- Facilitated knowledge sharing across distributed teams by standardizing logging/alerting with CloudWatch Logs, SNS, and alarms—reducing MTTD by 40% and improving SLA adherence.
- Supported release management by working with product managers and engineering leads to align ML pipeline updates with sprint cycles, improving release velocity and predictability.

### Freelance Cloud Architect | Contract Roles | May 2021 – Present

- Engineered cross-cloud failover systems on AWS and GCP, maintaining 99.99% uptime for fintech and healthcare platforms serving thousands of end-users.
- Consulted directly with client leadership to implement cost optimization strategies, driving 30% monthly savings (\$3K–\$5K) through right-sizing and proactive monitoring.
- Guided development teams in adopting CI/CD pipelines with canary releases, caching, and security scanning, boosting deployment velocity by 50% and reducing rollback incidents by 30%.
- Acted as a technical advisor across diverse teams, translating business requirements into secure cloud architectures that balanced compliance and scalability.

## SELECT PROJECTS

- **GenAI Fraud Detection Pipeline (AWS):** Deployed SageMaker models with Flask APIs, cutting fraud detection latency from minutes to seconds and enabling real-time fraud response.
  - **ML Compliance Dashboard:** Designed ML observability stack with Grafana, Prometheus, and CloudWatch, reducing audit preparation time by 70% and enabling proactive compliance monitoring.
  - **Cloud Cost Governance & Automation:** Automated financial forecasting and cost reporting with Lambda, Cost Explorer APIs, and SNS. Achieved 30% monthly savings in ML-heavy environments.
  - **FinBankOps (Fintech):** Built multi-region EKS infrastructure with GitOps, Istio, and Prometheus/Grafana, achieving PCI-DSS readiness and ensuring secure payment processing across regions.
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## CERTIFICATIONS

- AWS Certified DevOps Engineer – Professional (2025)
  - AWS Certified Machine Learning Engineer – Associate (2025)
  - GitHub Advanced Security – (2025)
  - Kubernetes and Cloud Native Associate (2025)
  - AWS Certified Security – Specialty (2023)
  - AWS Certified Developer – Associate (2023)
  - AWS Certified Solutions Architect – Associate (2022)
  - Google Associate Cloud Engineer (2024)
  - Cisco Ethical Hacker (2024)
  - Cisco CyberOps Associate (2023)
  - Cisco Network Technician (2024)
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## EDUCATION

- M.Sc. Animal Biotechnology, Federal University of Agriculture, Abeokuta
  - B.Tech. Animal Production and Health, Federal University of Technology, Akure
  - Diploma, Computer Engineering, Datashield Computer Institute
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