

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, securing, 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. Demonstrated track record of delivering up to 30% cost savings, improving deployment speed by 50%, and ensuring 99.99% uptime across fintech, healthcare, and nonprofit platforms. Adept at collaborating with stakeholders to deliver secure, scalable, and compliant solutions that accelerate innovation and business outcomes.

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 – Present

- Optimized AWS infrastructure to achieve 99.99% uptime while cutting operational costs by 20% (~\$7K/year) across 50+ EC2 instances and multiple workloads.
- Accelerated environment provisioning by 40% through Terraform/CloudFormation automation, eliminating config drift and enabling teams to launch environments in minutes.
- Integrated Prometheus, Grafana, and CloudWatch, achieving a 55% reduction in MTTD and cutting incident response from hours to under 15 minutes.

Afren Incorporated

DevOps Engineer (Remote) | Dec 2023 – Present

- Provisioned cloud-native ML platforms across AWS regions. Automated pipeline stages from data ingestion to inference with Step Functions and Lambda, reducing manual intervention by 60% and improving release cycles.
- Built modular SageMaker infrastructure with encrypted APIs and IAM policies, enabling secure scaling of 10+ ML models across regions.
- Established centralized logging and alerting for ML apps, reducing MTTD by 40% using CloudWatch Logs, SNS, and custom alarms. Improved developer productivity and SLA adherence.

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.
- Drove 30% monthly cloud cost savings by auditing resource usage with Prometheus/Grafana and enforcing right-sizing across compute/storage services. Saved clients an average of \$3K–\$5K monthly.
- Increased deployment velocity by 50% and reduced rollback incidents by 30% by implementing CI/CD pipelines with canary releases, caching, and integrated security scanning.

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 (2019)
 - B.Tech. Animal Production and Health, Federal University of Technology, Akure (2012)
 - Diploma, Computer Engineering, Datashield Computer Institute (2004)
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