

Oluwatosin Jegede

DEVOPS ENGINEER | CLOUD ENGINEER | SRE | CLOUD ARCHITECT

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

PROFESSIONAL SUMMARY

Multicloud DevOps Engineer with 3+ years of experience architecting secure, resilient, and scalable cloud-native infrastructure solutions for fast-growing organizations across finance, healthcare, and nonprofit sectors. Expertise spans AWS, GCP, Terraform, Kubernetes, GitHub Actions, and modern DevSecOps practices. Adept at leading infrastructure automation initiatives, optimizing cloud costs, enforcing governance standards, and enhancing system observability. Passionate about driving operational excellence, fostering cross-functional collaboration, and delivering measurable business outcomes through cloud engineering excellence.

TECHNICAL SKILLS

- Cloud Platforms: AWS (EC2, S3, RDS, IAM, CloudFormation), GCP (Compute Engine, BigQuery)
- Infrastructure as Code (IaC): Terraform, AWS CloudFormation, Ansible
- DevOps & CI/CD: GitHub Actions, Jenkins, AWS CodePipeline, CodeBuild, CodeDeploy
- Containerization & Orchestration: Kubernetes (EKS, GKE), Docker
- Security & Compliance: IAM, MFA, data encryption, GDPR compliance, security audits
- Monitoring & Observability: Prometheus, Grafana, AWS CloudWatch, centralized logging
- Scripting & Automation: Python, Bash, PowerShell
- Networking: VPC architecture, VPN setup, hybrid cloud, NAT gateways, load balancing
- Cost Optimization: AWS Cost Explorer, reserved instance planning, usage auditing

PROFESSIONAL EXPERIENCE

Sovereign Technology & Innovation Limited

DevOps Engineer | Aug 2024 – Present

- Architected resilient, highly available cloud environments in AWS, achieving 99.99% uptime and reducing operational costs by 20% through automated scaling, resource right-sizing, and spot instance utilization.
- Led end-to-end infrastructure automation with Terraform and CloudFormation, reducing environment provisioning time by 40% and eliminating configuration drift.
- Orchestrated the migration of legacy on-premise systems to a secure AWS hybrid architecture via site-to-site VPNs and IAM federation, cutting maintenance overhead by 30%.
- Integrated Prometheus, Grafana, and CloudWatch to establish a real-time monitoring framework, resulting in a 55% reduction in Mean Time to Detect (MTTD) incidents.
- Collaborated with security and compliance teams to embed encryption at rest and in transit across cloud assets, maintaining GDPR-aligned governance.

Help.NGO

DevOps Engineer (Remote) | Dec 2023 – Present

- Automated infrastructure provisioning for multi-region AWS deployments using modularized Terraform codebases, achieving a 35% faster deployment cycle and consistent configuration integrity.
- Designed secure VPC architectures with IAM hardening, encrypted endpoints, and private subnets, leading to 100% compliance with internal cybersecurity audits.
- Spearheaded a cloud cost optimization program through proactive tagging policies, reserved instance purchasing, and anomaly detection via CloudWatch, realizing a 25% reduction in operational cloud spend.
- Implemented centralized logging, custom metric alarms, and alerting pipelines with CloudWatch Logs and SNS, improving incident response times by 40%.

Freelance Cloud Architect | Contract Roles | May 2021 – Present

- Engineered cross-cloud failover and disaster recovery solutions across AWS and GCP, ensuring continuous operations during planned maintenance and unexpected outages, maintaining 99.99% SLA adherence.
 - Developed and deployed scalable machine learning inference pipelines leveraging SageMaker, CloudFormation, and GitHub Actions, enabling real-time autoscaling based on dynamic workload demand.
 - Built production-grade CI/CD pipelines incorporating canary deployments, caching strategies, and security scanning (CodeQL), resulting in a 50% increase in deployment velocity and a 30% reduction in rollback incidents.
 - Conducted proactive infrastructure audits using Prometheus and Grafana, identifying idle resources and right-sizing opportunities that led to monthly cloud savings of up to 30%.
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NOTABLE PROJECTS

Hybrid Cloud ERP Migration Project

- Designed and implemented a hybrid architecture bridging AWS and on-premise ERP systems via VPN tunneling and IAM federated access.
- Achieved 30% faster system cutover and zero downtime during phased migrations across multiple business units.

Multi-Cloud Observability Platform

- Deployed Prometheus and Grafana clusters across AWS and GCP to unify infrastructure monitoring, alerting, and incident diagnostics.
- Reduced incident Mean Time to Resolve (MTTR) by 50% and significantly improved SLA compliance for distributed engineering teams.

Cloud Cost Governance Automation

- Built and enforced a tagging policy framework, budget alarms, and automated reports for cloud usage analytics across compute, storage, and database services.
 - Drove monthly cloud cost savings of 20–30% without compromising performance or resilience.
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CERTIFICATIONS

- 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 (2024)