

Oluwatosin Jegede

Cloud Solutions Architect | DevOps Engineer

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

Professional Summary

Innovative and results-driven Cloud Solutions Architect with over three years of hands-on experience architecting, securing, and optimizing multi-cloud infrastructure solutions. Proficient in Amazon Web Services (AWS), Google Cloud Platform (GCP), and Infrastructure as Code (IaC) tools, including Terraform and AWS CloudFormation. Demonstrated ability to translate complex business requirements into scalable and cost-efficient cloud solutions. Recognized for integrating security best practices, driving automation, and enhancing system resilience. Certified in AWS Security, Development, and Architecture, with a strong foundation in networking, cloud governance, and DevSecOps pipelines.

Technical Skills

- Cloud Platforms: AWS (EC2, S3, RDS, IAM, VPC, CloudFormation), GCP (Compute Engine, BigQuery)
- IaC & Automation: Terraform, AWS CloudFormation, Ansible
- DevOps & CI/CD: GitHub Actions, Jenkins, AWS CodePipeline, AWS CodeBuild, AWS CodeDeploy
- Security & Compliance: IAM, MFA, data encryption, GDPR, security audits
- Monitoring & Observability: Prometheus, Grafana, AWS CloudWatch
- Networking: VPC design, VPNs, hybrid cloud, load balancing, NAT gateways
- Scripting: Python, Bash, PowerShell
- Cost Optimization: AWS Cost Explorer, usage auditing, reserved instance planning

Certifications

- **AWS Certified Security – Specialty** | September 2023
- **AWS Certified Developer – Associate** | Jul 2023
- **AWS Certified Solutions Architect – Associate** | November 2022
- **Google Associate Cloud Engineer Certification** | December 2024
- **Cisco Ethical Hacker** | July 2024
- **Cisco Network Technician** | January 2024
- **Cisco Certified CyberOps Associate** | December 2023

Professional Experience

Sovereign Technology & Innovation Ltd | DevOps Engineer

August 2024 – Present

- Designed and implemented secure, high-availability AWS cloud architectures that enhanced system resilience while reducing infrastructure costs by 20% through automated scaling and instance right-sizing.
- Led the automation of infrastructure provisioning using Terraform and AWS CloudFormation, slashing deployment time by 40% and enabling consistent, reproducible environments across staging and production.
- Migrated legacy on-premise systems to a hybrid cloud model on AWS, achieving a 30% reduction in maintenance overhead while ensuring business continuity through VPC peering and secure data synchronization.
- Integrated Prometheus, Grafana, and AWS CloudWatch for observability, reducing mean time to detect (MTTD) incidents by 55% through real-time metric ingestion and alerting.

Help.NGO | DevOps Engineer (Remote)

May 2021 – August 2024

- Automated infrastructure deployments across AWS and GCP using Terraform, improving infrastructure provisioning speed by 35% and reducing configuration drift in multi-region environments.
- Architected secure VPC topologies with IAM-based access controls, encryption-at-rest, and service endpoints, ensuring full compliance with data protection standards and reducing exposure to public attack vectors.
- Conducted a thorough cloud spend audit, implementing tagging, reserved instances, and right-sizing strategies, ultimately lowering operational costs by 25% without compromising SLA targets.

Freelance Cloud Architect | Contract Roles

December 2023 – Present

- Deployed a real-time machine learning inference pipeline on AWS SageMaker, fully automated via IaC, enabling clients to scale prediction workloads dynamically based on demand.
- Engineered a fault-tolerant, multi-cloud architecture between AWS and GCP with cross-region failover, improving service availability to 99.99% and supporting seamless traffic redirection during maintenance windows.
- Refined CI/CD pipelines for several clients by integrating Jenkins, GitHub Actions, and AWS native tools, achieving zero-downtime deployments and increasing developer release velocity by 50%.

Education

- **MSc in Animal Biotechnology** | Federal University of Agriculture, Abeokuta | November 2019
- **BTech in Animal Production and Health** | Federal University of Technology, Akure | November 2012
- **Diploma in Computer Engineering** | Datashield Computer Institute | June 2024

Notable Projects

1. **Hybrid Cloud Migration:** Architected a secure hybrid infrastructure bridging AWS and on-premises networks using site-to-site VPNs and IAM federated roles. Enabled secure bidirectional data flow and supported a phased legacy migration with minimal downtime.
2. **Multi-Cloud Observability:** Unified monitoring across AWS and GCP by deploying Prometheus and Grafana instances with custom dashboards and alerting rules. Incident response time improved by 50% due to centralized telemetry data.
3. **Cost Optimization:** Designed an automated cost governance solution that identified underutilized resources and implemented budget alerts. Realized a 20% reduction in monthly cloud expenditure.