Oluwatosin Jegede

Cloud Solutions Architect | DevOps Engineer

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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)
December 2023 – Present
- Automated infrastructure provisioning across AWS using modular Terraform, reducing deployment time by 35% and eliminating configuration drift across global environments.
- Architected secure VPCs with IAM controls and encrypted endpoints, achieving 100% compliance with internal data protection policies and minimizing public exposure risks.
- Implemented a cost optimization initiative through tagging, reserved instance planning, and usage analytics, reducing monthly cloud spend by 25% without compromising SLAs.
- Deployed centralized logging and alerting via AWS CloudWatch and metric filters, cutting incident resolution time by 40%.

Freelance Cloud Architect | Contract Roles
May 2021 – Present
- Engineered cross-cloud failover systems on AWS and GCP, achieving 99.99% uptime for fintech and healthcare clients during scheduled maintenance and outages.
- Delivered a scalable ML inference pipeline using SageMaker, CloudFormation, and GitHub Actions, enabling clients to auto-scale based on real-time demand.
- Built CI/CD pipelines using Jenkins and GitHub Actions with caching and canary deployments, boosting deployment frequency by 50% and reducing rollback incidents.
- Conducted infrastructure audits with Prometheus and Grafana integrations, leading to a 30% cost reduction through idle resource termination and usage right-sizing.

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
- **Hybrid Cloud for ERP Migration:** Designed a secure hybrid infrastructure bridging AWS and on-prem systems using **site-to-site VPNs and IAM federation**, enabling **30% faster cutover** with **zero disruption** during a phased legacy system migration.
- **Multi-Cloud Observability Platform:** Deployed a unified observability stack using **Prometheus, Grafana,** and custom alerting across AWS and GCP, reducing MTTD by **50%** and improving **SLA compliance** for distributed engineering teams.
- **Cloud Cost Governance Automation:** Built a scalable cost optimization engine using **tagging policies**, budget alerts, and **resource right-sizing**, driving **20–30% monthly savings** across compute and storage resources (EC2, S3, RDS).