Osatohanmwen A.
Architect AI Solution Architect/Cloud & Platform Architect/DevSecOps/SRE

SUMMARY

- 10+ years leading cloud architecture and DevSecOps across AWS, GCP, Kubernetes, and Terraform-based CI/CD pipelines.
- Cost and scale experience: reduced infrastructure costs by CAD $3M while scaling platforms to support 1M+ API calls/day.
- IaC and automation: Terraform, Ansible, GitHub Actions across multi-cloud environments (AWS, GCP, Cloudflare).
- AI-enabled platform initiatives: led AI adoption, workflow automation, and governance across cloud/DevSecOps/SRE initiatives.
- Compliance-sensitive experience: administered AWS infrastructure and governed production microservices at a banking research environment.
- AWS Solutions Architect Professional Training, Oracle Cloud Professional Architect.

TECHNICAL SKILLS

Main Technical Skills	AWS, GCP, Kubernetes, Terraform, Ansible
Programming Languages	Python
AI & Machine Learning	AI
Security	IAM, Network Security, Site-to-Site VPN
Databases & Management Systems / ORM	Aurora, MongoDB, MySQL, Oracle Database, PostgreSQL
UI Frameworks, Libraries, and Browsers	UI
Cloud Platforms, Services & Computing	AWS, CloudFlare, GCP, Oracle OCI
Amazon Web Services	AWS CloudFront, AWS Cognito, AWS Elastic Kubernetes Service, AWS Elastic Kubernetes Service (EKS), AWS Route 53, AWS S3, AWS VPC
Google Cloud Platform	Google BigQuery, Google Kubernetes Engine (GKE)
Methodologies, Paradigms and Patterns	Agile, Kanban, REST, Scrum
Deployment, CI/CD & Administration	Ansible, CI/CD, CircleCI, GitLab CI, Jenkins, SonarQube
SDK / API and Integrations	API

Scripting and Command Line Interfaces	Bash
Hardware	CAD
Mail / Network Protocols / Data transfer	CDN, DNS, Load Balancing, Proxy, Route, SSL, TLS, Traefik, VPN
Virtualization, Containers and Orchestration	Docker, Docker Swarm, Kubernetes, Portainer, Proxmox, Terraform, VmWare, VPC Peering
Version Control	Github Actions, GitLab
Logging and Monitoring	Grafana, Prometheus
Web/App Servers, Middleware	Ingress, Nginx
Operating Systems	Linux, Ubuntu
Project Management & Administration	Scrum Master
QA, Test Automation, Security	WAF
Other Technical Skills	Data Migration, Fortinet, GlusterFS, Google Kubernetes Engine, RCA, RDS, SRE

WORK EXPERIENCE

Senior Cloud Solutions Architect/DevSecOps & SRE, AI-Enabled Product and Platform Initiatives

Duration: Nov. 2024 - Present

Summary: Leading architecture and engineering across cloud, DevOps, DevSecOps, SRE and AI-enabled product initiatives. Architecting and optimizing multi-cloud infrastructure across AWS, Google Cloud and Cloudflare with focus on security, scalability, and automation.

Responsibilities:

- Lead architecture and engineering across cloud, DevOps, DevSecOps, SRE and AI-enabled product initiatives, translating business needs into secure, scalable platform capabilities and delivery roadmaps.
- Architect and optimize multi-cloud infrastructure across AWS, Google Cloud and Cloudflare, including networking, DNS, CDN, WAF, identity/security controls and production workload design.
- Automate infrastructure provisioning and configuration with Terraform, Ansible, Bash and Python; build and maintain CI/CD workflows with GitHub Actions, GitLab, Jenkins and CircleCI.
- Operate Kubernetes workloads across GKE and EKS, including ingress, load balancing, container networking, production troubleshooting and resilience improvements.
- Establish monitoring, incident-response and continuous-improvement practices using Prometheus, Grafana and cloud-native telemetry; evaluate reliability, performance, latency, security and cost.

- Partner with technical and business stakeholders on platform modernization, AI adoption, workflow automation, governance, security controls and practical implementation choices.

Technologies: AWS, Google Cloud, Cloudflare, Terraform, Ansible, Bash, Python, GitHub Actions, GitLab, Jenkins, CircleCI, Kubernetes (GKE, EKS), Prometheus, Grafana.

Senior Infrastructure Engineer/DevOps, Network & SysOps, Playground (Part-time) (Infrastructure Upgrade and DevSecOps Framework Development)

Duration: Jun. 2023 - Present

Summary: Evaluation and upgrade of infrastructure including Proxmox, virtual machines, bare metal, networking, Traefik, GlusterFS, Portainer and proxy services. Development of a DevSecOps collaboration framework across multiple teams to improve deployment frequency.

Responsibilities:

- Evaluated and upgraded infrastructure spanning Proxmox, virtual machines, bare metal, networking, Traefik, GlusterFS, Portainer and proxy services.
- Supported engineering teams with GitLab, GitHub Actions, Docker Swarm, containerization and automation while providing real-time production support.
- Developed a DevSecOps collaboration framework across five cross-functional teams, contributing to a 25% increase in deployment frequency.

Technologies: Proxmox, virtual machines, bare metal, networking, Traefik, GlusterFS, Portainer, proxy services, GitLab, GitHub Actions, Docker Swarm, containerization, automation.

Senior Cloud Solutions Architect, WorkJam (Infrastructure Routing and Optimization)

Duration: Nov. 2023 - Nov. 2024

Summary: Designed a high-performance infrastructure routing strategy supporting over 1 million API calls per day, reducing platform complexity and enabling compliant expansion into China. Led infrastructure assessment and optimization to reduce operating costs.

Responsibilities:

- Designed a high-performance infrastructure routing strategy supporting more than 1 million API calls per day while materially reducing platform complexity.
- Provided architecture leadership across DevOps, SRE, FinOps and security teams; mentored engineers and aligned technical delivery with business outcomes.
- Enabled compliant expansion into China through architecture and infrastructure changes that improved application availability and supported market growth.
- Led an infrastructure assessment and optimization program that eliminated waste and reduced annual operating costs by approximately CAD $3 million.

Technologies: SRE, API, DevOps.

Senior Cloud Specialist, Andela (Production Microservices and Secure UI Infrastructure)

Duration: Mar. 2022 - Jun. 2023

Summary: Managed and optimized production microservices on Amazon EKS and engineered secure UI infrastructure to improve deployment efficiency and operational reliability.

Responsibilities:

- Managed and optimized production microservices on Amazon EKS, strengthening resilience and operational reliability.
- Engineered secure UI infrastructure across Amazon S3, CloudFront, Route 53 and REST APIs, reducing deployment time by 40% through automation.
- Supported AWS data migration, Cognito user-pool migration, site-to-site VPN implementation, security documentation and R&D initiatives.

Technologies: Amazon EKS, Amazon S3, CloudFront, Route 53, REST APIs, AWS Cognito, VPN.

Senior Cloud Specialist/DevSecOps, Standard Chartered Bank Research (Solv) (AWS Infrastructure and Microservices)

Duration: Jun. 2022 - Dec. 2022

Summary: Administered AWS infrastructure and governed production microservices in a compliance-sensitive environment, focusing on secure infrastructure pipelines and data migration.

Responsibilities:

- Administered AWS infrastructure including VPCs, load balancers, Jenkins, SonarQube, Route 53, TLS/SSL, WAF, Nginx, ingress controllers, Aurora and MongoDB.
- Governed production microservices on EKS and built secure infrastructure pipelines for S3, CloudFront, Route 53 and REST API workloads.
- Provided technical oversight for AWS data migration and site-to-site VPN implementation in a compliance-sensitive environment.

Technologies: AWS VPC, Load Balancers, Jenkins, SonarQube, Route 53, TLS/SSL, WAF, Nginx, ingress controllers, Aurora, MongoDB, EKS, S3, CloudFront, REST APIs, VPN.

Senior Cloud Engineer/DevSecOps, Tolaram (Scalable Cloud Solutions and CI/CD Infrastructure)

Duration: Oct. 2021 - Jun. 2022

Summary: Engineered scalable and resilient cloud solutions and completed CI/CD infrastructure to optimize cloud costs and improve developer onboarding and security.

Responsibilities:

- Engineered scalable and resilient cloud solutions using Google BigQuery, CloudFront, DNS, load balancing and WAF.
- Completed CI/CD infrastructure, optimized cloud costs, improved developer onboarding and strengthened protection against phishing and DDoS attacks.
- Served as Scrum Master for a highly scalable product team, facilitating delivery and cross-functional coordination.

Technologies: Google BigQuery, CloudFront, DNS, Load Balancing, WAF, CI/CD.

Senior Cloud/Infrastructure Engineer, Airtel Nigeria (First Class Group Limited) (SRE and DevOps Consulting)

Duration: Mar. 2021 - Oct. 2021

Summary: Delivered SRE and DevOps consulting across on-premise and cloud infrastructure to improve developer experience, resource management, and security for an e-commerce platform launch.

Responsibilities:

- Delivered SRE and DevOps consulting across on-premise and cloud infrastructure, including health indicators, logging, alarms and anomaly detection.
- Improved developer experience, resource management and security while coordinating with business partners on an e-commerce platform launch.
- Designed approaches for system upgrades, configuration management and patching.

Technologies: SRE, DevOps.

Senior Data Centre/Cloud Infrastructure Engineer, Globacom (First Class Group Limited) (Data Centre Operations and Infrastructure Engineering)

Duration: Feb. 2014 - Mar. 2021

Summary: Supported L2 data-centre operations and highly available infrastructure, specializing in VMware/hypervisor installations, automated system build-outs, and application deployments.

Responsibilities:

- Supported L2 data-centre operations and highly available infrastructure; monitored applications and services for trends, anomalies and operational risk.
- Specialized in VMware/hypervisor installations, automated system build-outs and application deployments.
- Engineered scalable infrastructure solutions and managed security, availability and operational performance.

Technologies: VMware, hypervisors, automated system build-outs.

EDUCATION

- **MBA - Strayer University, Jack Welch Institute of Management, USA**
- **Higher National Diploma (HND), Computer Science - Auchi Polytechnic, Edo State, Nigeria**

CERTIFICATION

- **Oracle Cloud Infrastructure / Professional Architecture**
  Oracle University - Professional Infrastructure Architect
  2020
- **AWS Solutions Architect Professional Training**
- **Scrum Master Foundation**
  CertiProf
- **Network Security Expert**
  Fortinet

- **Ethical Hacking Training**
  CompTIA
- **Agile Management Training**
  CertiProf