Gabriel Okemwa

DevOps Engineer

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Professional Summary

Skilled DevOps Engineer with 2+ years of experience in designing, implementing, and maintaining containerized platforms and microservices. Expertise in architecting scalable and resilient cloud-native solutions, managing public/private cloud infrastructure, automating workflows, and ensuring security compliance. Passionate about leveraging automation and best practices to drive operational efficiency and deliver reliable platform solutions.

Core Competencies

- Cloud Infrastructure Management (AWS, GCP, Azure, DigitalOcean)
- Containerization & Orchestration (Docker, Kubernetes, Helm)
- Infrastructure-as-Code (Terraform, Pulumi, Ansible)
- CI/CD Pipeline Development (GitHub Actions, Jenkins, ArgoCD)
- Service Mesh Technologies (Istio, Linkerd, Traefik)
- Monitoring & Performance Optimization (Prometheus, Grafana, ELK Stack)
- Security Compliance (SOC 2, GDPR, ISO 27001)
- Automation (Bash, Python, Go, YAML scripting)
- Disaster Recovery & Business Continuity Planning

Professional Experience

DevOps Engineer

Authelio · Remote

Jul 2023 - Sep 2024

- Designed and implemented scalable, secure, and resilient microservices-based platforms using Kubernetes and Docker.
- Developed and maintained Infrastructure-as-Code (IaC) using Terraform, Ansible, and CloudFormation to automate infrastructure provisioning and configuration management across AWS and GCP.
- Architected and deployed multi-region and multi-cloud solutions, optimizing for availability, performance, and cost.
- Configured and managed service mesh technologies (Istio, Linkerd) to enable service-to-service communication in microservices architectures.
- Automated QA and production environment deployments, reducing manual intervention by 90%.
- Built load-balancing solutions using NGINX, HAProxy, and AWS native services to optimize application delivery.
- Conducted container image scanning, runtime protection, and vulnerability management, ensuring security best

practices for containerized applications.

- Implemented auto-scaling solutions and optimized resource allocation for Kubernetes clusters, achieving a 40% reduction in cloud costs.
- Assisted the infosec team with regular security audits, TLS certificate management, and compliance adherence for SOC 2 and ISO 27001.
- Provided L2 escalation support for critical infrastructure issues and served as an SME for resolving complex technical problems.

Platform Engineer

Apextech · Nairobi

Mar 2021 - Apr 2023

- Architected and deployed containerized applications using Docker and Kubernetes, supporting rapid scaling of new features.
- Established a robust CI/CD pipeline for development and production environments, integrating GitHub Actions with Helm and Kubernetes.
- Designed cost-optimized cloud architectures, achieving a 30% reduction in operational expenses.
- Implemented and maintained service mesh solutions to manage inter-service communication securely and reliably.
- Ensured compliance with GDPR and SOC 2 by developing policies for secure cloud operations and auditing processes.
- Collaborated with cross-functional teams to maintain comprehensive documentation for infrastructure components and processes.
- Delivered knowledge-sharing sessions to upskill internal teams on best practices for infrastructure management.

Certifications

- Kubernetes and Cloud Native Associate
- Software Engineering

Technical Skills

- **Cloud Platforms:** AWS, GCP, Azure, DigitalOcean
- **Automation Tools:** Terraform, Pulumi, Ansible
- **Containerization & Orchestration:** Docker, Kubernetes, Helm, Istio
- **Programming/Scripting:** Python, Go, Bash
- **CI/CD Tools:** GitHub Actions, Jenkins, ArgoCD
- **Monitoring:** Prometheus, Grafana, ELK Stack, New Relic
- **Security:** IAM, TLS/SSL, Container Security Tools