

ADENIJI DANIEL OLUWASOGO

DevOps Engineer & Site Reliability Engineer

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Professional Summary

DevOps/SRE Engineer with hands-on experience designing, automating, and scaling cloud-native infrastructure. Skilled in Kubernetes (EKS/AKS), Terraform (Azure), Docker, and Ansible, with a proven track record of reducing deployment times by up to 80%, improving system reliability to 99.9% uptime, and cutting infrastructure costs by 25%. Adept at building CI/CD pipelines, managing large-scale clusters, and collaborating with cross-functional teams to deliver secure, scalable, and reliable systems.

Core Skills

- Cloud & Infrastructure: Docker, Kubernetes (EKS/AKS), Terraform (Azure), Linux, DNS, networking, system performance tuning
- CI/CD & Automation: GitHub Actions, Jenkins, Ansible
- Programming & Version Control: Python (automation scripts), Git (branching strategies, workflows)
- SRE Practices: Monitoring, incident response, observability, cost optimization, reliability engineering, security best practices

Professional Experience & Projects

DevOps Engineer – Cloud Infrastructure & Automation

Independent / Open-Source Projects

2023 – 2025

- **Infrastructure Modernization:** Led migration of monolithic applications to microservices architecture using Docker and AKS, reducing resource utilization by 35% and improving scalability for 50,000+ daily active users
- **CI/CD Pipeline Optimization:** Implemented comprehensive GitHub Actions workflows with automated testing, security scanning, and multi-environment deployments, reducing deployment time from 2 hours to 30 minutes (75% improvement)
- **Infrastructure as Code:** Designed and maintained Terraform modules for Azure infrastructure provisioning, enabling consistent environment creation and reducing manual setup time by 90%
- **System Reliability:** Established monitoring and alerting systems achieving 99.9% uptime SLA, implemented automated incident response procedures reducing MTTR from 45 minutes to 12 minutes

Internship [ArtisanHub]

Feb.2025 - Mar. 2025

- **Container Orchestration:** Managed Kubernetes clusters supporting 15+ microservices with advanced configurations including StatefulSets, PersistentVolumes, and RBAC policies

- **Automation & Configuration Management:** Developed Ansible playbooks for application deployment and server configuration, reducing manual deployment errors by 80%
- **Cost Optimization:** Implemented resource monitoring and right-sizing strategies using Azure cost management tools, achieving 40% reduction in monthly cloud spending

Key Projects

Enterprise Microservices Platform Migration

Technologies: AKS, Docker, Terraform, GitHub Actions, Helm

Spearheaded complete infrastructure overhaul for e-commerce platform serving 100K+ users. Containerized 12 legacy applications using Docker multi-stage builds, deployed to AKS cluster with auto-scaling capabilities. Implemented GitOps workflow with Helm charts for seamless deployments across dev/staging/production environments. **Result:** Achieved 99.95% uptime, reduced infrastructure costs by 45%, and decreased deployment frequency from weekly to multiple daily releases.

Automated CI/CD Pipeline with Infrastructure Provisioning

Technologies: GitHub Actions, Terraform, Azure, Docker Registry

Built end-to-end automation pipeline integrating code deployment with infrastructure provisioning. Implemented secure Azure service principal authentication, automated Terraform plan/apply workflows, and container image vulnerability scanning. Created reusable workflow templates used across 8+ repositories. **Result:** Reduced time-to-production from 3 days to 2 hours, eliminated manual configuration drift, and improved security compliance.

High-Availability Web Application Infrastructure

Technologies: Kubernetes, Ingress Controllers, PVC/PV, Load Balancers

Designed and implemented resilient infrastructure for mission-critical web application using AKS with advanced networking configurations. Configured NGINX ingress controllers with SSL termination, implemented persistent storage solutions for stateful applications, and established comprehensive backup strategies. **Result:** Achieved zero-downtime deployments, improved application response time by 60%, and maintained 99.9% availability during peak traffic periods.

Infrastructure Monitoring & Incident Response Automation

Technologies: Python, Bash, Linux, Monitoring Tools, Ansible

Developed comprehensive monitoring solution with custom Python scripts for infrastructure health checks and automated incident response procedures. Created Bash automation scripts for common troubleshooting tasks and implemented log aggregation for faster root cause analysis. Established on-call rotation and incident management processes. **Result:** Reduced mean time to recovery (MTTR) by 70%, improved incident detection speed by 85%, and decreased false positive alerts by 50%.

Education

Eng. Mechatronics Engineering – Federal University of Agriculture, Abeokuta,
[Expected Year of Graduation-2027]

GitHub & Portfolio

GitHub: github.com/Brainy016

Languages

English: Fluent (Professional Working Proficiency)

Local Language: Yoruba