

Olusegun Akinnola

DevOps Engineer | Platform Engineer | Site Reliability Engineer

Phone: +2348135161813 | Email: shegezzy@gmail.com | [Github](#) | [LinkedIn](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

DevOps Engineer with 4+ years of experience building and operating scalable AWS and Azure cloud infrastructure. Specialized in infrastructure automation, CI/CD pipelines, and Kubernetes (EKS/AKS, ECS Fargate) using Terraform, Docker, and GitHub Actions. Proven record of improving system reliability, reducing cloud costs, and accelerating software delivery through automation and observability.

TECHNICAL SKILLS

Cloud Platforms: AWS, Azure, GCP

Containers & Orchestration: Docker, Kubernetes (EKS, AKS), ECS Fargate, Helm

Infrastructure as Code: Terraform, AWS CloudFormation, Ansible

CI/CD & Automation: GitHub Actions, GitLab CI, Jenkins, ArgoCD

Monitoring & Observability: Prometheus, Grafana, CloudWatch, Dynatrace

Programming & Scripting: Python, Bash, Linux

Security & DevSecOps: Trivy, SonarQube, AWS WAF, Vulnerability Management, Container Security

Core Competencies: Incident Response, High Availability, Scalability, Cost Optimization

EXPERIENCE

Divverse Labs

Sep 2023 - Present

Cloud Infrastructure & DevOps Platform Engineer (Multi-Region SaaS Systems)

Texas, United States

- Engineered and maintained scalable AWS cloud infrastructure using Terraform, Docker, ECS Fargate, and Kubernetes to support distributed microservices across three continents with 99.9% availability.
- Led cloud cost optimization initiatives by analyzing usage patterns, rightsizing resources, and improving scaling strategies, reducing infrastructure cost by 15% without performance degradation.
- Built and automated CI/CD pipelines using GitHub Actions to standardize build, test, and deployment workflows, reducing release cycles by 40%.

Value Delivered

- Reduced operational cloud spend while maintaining performance under growth.
- Improved deployment speed and release confidence across global environments.
- Increased platform stability through standardized infrastructure automation.

WEMA Bank

June 2022 – Sept 2023

DevOps & Cloud Infrastructure Engineer (Banking & Fintech Systems)

Lagos, Nigeria

- Designed and implemented CI/CD pipelines using GitHub Actions, Docker, and Terraform, reducing manual deployment effort and improving release efficiency by 30%.
- Built observability and monitoring systems using Prometheus, Grafana, and CloudWatch, ensuring proactive incident detection and maintaining 99.9% uptime for critical banking services.
- Managed and scaled microservices infrastructure on Azure Kubernetes Service (AKS), supporting high-availability fintech workloads processing thousands of daily transactions.

Value Delivered

- Increased system reliability and uptime for mission-critical banking services.
- Reduced deployment errors through automation and standardized pipelines.
- Improved incident resolution speed and long-term system stability.

United Bank of Africa

Jan 2020 – June 2022

Backend Engineer (High-Throughput Financial Systems)

Lagos, Nigeria

- Developed and optimized .NET Core microservices handling 1,000+ requests per second (3M+ monthly API calls) for core banking operations.
- Designed scalable backend systems for payments, merchant onboarding, and banking integrations, improving transaction processing speed by 35%.
- Built distributed system integrations across internal banking platforms and third-party APIs to improve interoperability and reliability.

Value Delivered

- Improved transaction throughput and system performance for digital banking.
- Enabled scalable financial services supporting millions of monthly API calls.
- Enhanced system integration across banking and external ecosystems.

PROJECTS

Cloud-Native Microservices Platform on AWS ECS Fargate - [Click here to view](#)

Cloud Infrastructure Automation & Platform Engineering

- Designed and deployed a scalable microservices platform on AWS using Terraform, ECS Fargate, and Docker to support production workloads.
- Automated end-to-end infrastructure provisioning (VPC, ALB, ECS, IAM, RDS, Redis, Kafka) using reusable Infrastructure as Code modules.
- Implemented multi-AZ architecture with auto-scaling, observability, and security controls to ensure high availability and operational resilience.

Value Delivered:

- Reduced infrastructure provisioning time through full automation.
- Improved system reliability and fault tolerance across environments.
- Increased operational efficiency via standardized infrastructure patterns.

Zero-Downtime Deployment Platform with Jenkins & Terraform - [Click here to view](#)

DevOps Automation & Release Engineering

- Built a Blue-Green CI/CD deployment platform using Jenkins and Terraform to enable zero-downtime production releases.
- Automated build, testing, scanning (SonarQube, Trivy), and deployment workflows with integrated quality gates.
- Implemented artifact management and versioning using Nexus, with rollback mechanisms for safe recovery from failed deployments.

Value Delivered:

- Eliminated downtime during production deployments.
- Reduced release risk through automated quality and security checks.
- Improved deployment speed and engineering confidence in releases.

Containerized Flask API with Secure CI/CD Automation - [Click here to view](#)

Application Delivery Automation

- Developed a containerized Flask REST API and packaged it using Docker for consistent environment deployment.
- Built a GitHub Actions CI/CD pipeline to automate build, test, security scanning, and Docker image publishing.
- Integrated automated linting and vulnerability checks to enforce code quality and secure delivery practices

Value Delivered:

- Accelerated software delivery through full CI/CD automation.
- Reduced manual deployment errors and inconsistencies.
- Improved code quality and security posture across releases.

CERTIFICATIONS/EDUCATION

- | | |
|--|-----------------------|
| • Cloud Computing (DevOps Engineering), M4ace | September 2025 |
| • AWS Certified Solutions Architect – Associate, Amazon | November 2024 |
| • AWS Certified Cloud Practitioner, Amazon | July 2024 |
| • Professional Foundation (Soft Skills), ALX | December 2023 |
| • SQL Basic Certificate, HackerRank | October 2022 |
| • Scrum Foundation, Pluralsight | November 2022 |
| • Software Engineering in C#, Purple Academy (Wema Bank) | November 2022 |
| • Diploma Web Design, New Horizon, Ikeja | October 2017 |
| • Higher National Diploma in Computer Science, The Poly Ife | May 2017 |

PUBLICATIONS

Production Level Blue-Green Deployment CI/CD Pipeline - [Click here to view](#) February 2025
Medium

Cloudflare 18 November 2025 Outage: Full Breakdown, Root Cause, and Impact: A DevOps Perspective - [Click here to view](#) November 2025
Medium