

OLUSEGUN AKINNOLA

DevOps Engineer

+234-813-516-1813 | linkedin.com/in/olusegunakinnola | shegezzy@gmail.com | Lagos

PROFESSIONAL SUMMARY:

Results-driven DevOps Engineer with extensive experience designing, automating, and optimizing cloud infrastructure across AWS and Azure for both startup and enterprise-scale applications. Skilled in building resilient CI/CD pipelines, containerized microservices, and monitoring solutions that ensure reliability, scalability, and cost efficiency.

TECHNICAL SKILLS:

- **Cloud Platforms & Scripting** - AWS (Primary), Azure, GCP, Python, Linux, Bash
- **CI/CD & IAC** - GitHub Action, GitLab, Terraform, AWS CloudFormation, Ansible
- **Containerization & Orchestration**- Docker, Kubernetes, Fargate, EKS
- **Monitoring & Security** - Prometheus, Grafana, CloudWatch, Dynatrace, AWS WAF, TRIVY, SonarQube

WORK EXPERIENCE:

DivVerse Labs, Texas (remote) September 2023 -Present

Designation: DevOps Engineer

- Implemented scalable cloud infrastructure on AWS using Terraform and Docker to support Loubby.ai (an HR management platform), achieving 99.9% uptime and enabling reliable access for teams across Africa, Europe, and North America.
- Built and automated CI/CD pipelines with GitHub Actions for containerized applications, reducing deployment time by 40%, improving release consistency, and ensuring faster delivery of mobile and web solutions for global clients.
- Collaborated with distributed engineering teams to monitor, secure, optimize production workloads and strengthening system performance and reducing infrastructure costs by 15%.

Wema Bank, Lagos, Nigeria (Hybrid)

June 2022- September 2023

Designation: DevOps Engineer

- Managed ALATPay's microservices infrastructure on Microsoft Azure Kubernetes Service (AKS), ensuring high availability and scalability for financial applications handling thousands of daily transactions.
- Automated CI/CD pipelines using GitHub Actions, Docker, and Terraform, improving deployment efficiency by 30% and reducing manual release errors across multiple environments.
- Implemented monitoring and performance optimization, proactively identifying and resolving application bottlenecks to sustain 99.9% uptime and enhance user experience.

Designation: Backend Engineer

- Developed and maintained backend systems handling 1,000+ requests per second (equivalent to 3M+ monthly API calls) with 99.9% uptime, powering financial transactions across Nigeria and other African regions.
- Built and optimized .NET Core microservices for UBA's digital mobile banking application, payment and merchant onboarding platforms, improving transaction processing speed by 35% and enabling seamless integration with third-party APIs and internal banking systems.
- Worked with cross-functional teams across Africa to deliver UBA's digital banking ecosystem, improving platform scalability and ensuring feature releases met business and customer requirements within budget.

PROJECTS:

Infrastructure Engineer (Terraform AWS ECS Microservices Project)

GITHUB LINK: - <https://github.com/shegezzy/terraform-aws-ecs-microservices>

OVERVIEW: Built a scalable, secure, and cost-efficient AWS infrastructure with Terraform for deploying modern microservices using ECS Fargate. Implemented network isolation, automated scaling, and comprehensive monitoring with CloudWatch, alongside managed services like RDS, Redis, and Kafka to ensure high availability, performance, and reliability.

Production-Level Blue-Green Deployment CI/CD Pipeline

GITHUB LINK: - <https://github.com/shegezzy/Blue-Green-Deployment>

OVERVIEW: This project demonstrates a production-ready Blue-Green deployment pipeline using Jenkins, SonarQube, Nexus, Trivy, and Terraform. It focuses on deploying applications with zero downtime, ensuring that application upgrades do not disrupt end users.

Hello World API – Simple Flask App with Automated CI/CD Pipeline

GITHUB LINK: - <https://github.com/shegezzy/hello-world-api>

OVERVIEW: Developed a Flask-based REST API that returns a simple JSON response to demonstrate core DevOps and backend engineering principles. The project showcases microservice architecture, containerization with Docker, and a GitHub Actions CI/CD pipeline that automates linting, unit testing, image building, vulnerability scanning (Trivy), and deployment to Docker Hub.

EDUCATION & PROFESSIONAL CERTIFICATIONS:

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| • AWS Certified Cloud Practitioner, Amazon | July 2024 |
| • AWS Certified Solutions Architect - Associate, Amazon | November 2024 |
| • Scrum Foundation, Pluralsight | November 2022 |
| • SQL Basic Certificate, HackerRank | October 2022 |
| • Software Engineering, Purple Academy (Wema Bank), Lagos | November 2022 |
| • Diploma in Web Design, New Horizon, Ikeja, Lagos | April 2017 |
| • Computer Science, The Polytechnic Ife, Osun | June 2016 |