

Olusegun Akinola, DevOps Engineer

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EDUCATION

The Polytechnic Ife

Higher National Diploma in Computer Science

Sep 2011 - May 2017

Osun, Nigeria

Course Work: Operating Systems, Computer Networks, Linux System, Database Management, Web Technologies

New Horizon

Diploma in Web Design

Feb 2017 - April 2017

Lagos, Nigeria

Course Work: UI/UX Fundermentals, Responsive Design, Javascript, HTML5

TECHNICAL SKILLS

Cloud Platform & 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

Softskills: Effective communication, Collaboration, Data Intuition, Customer Centric and Ownership

EXPERIENCE

Diverse LLC

DevOps Engineer

Sep 2023 - Present

Texas, United States

- 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.
- Collaborated with distributed engineering teams to monitor, secure, optimize production workloads and strengthening system performance and reducing infrastructure costs by 15%.
- 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.

WEMA Bank

DevOps Engineer

June 2022 - Sept 2023

Lagos, Nigeria

- 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.

United Bank of Africa

Backend Engineer

Jan 2020 - June 2022

Lagos, Nigeria

- 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

Production-Grade AWS ECS Fargate Infrastructure with Terraform- [Click here to view](#)

- 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.
- **Tools:** Terraform, AWS (ECS Fargate, ECR, VPC, ALB, IAM, RDS, ElastiCache/Redis, MSK/Kafka, CloudWatch), Docker, Git, GitHub.

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

- 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.
- **Tools:** Jenkins, Terraform, SonarQube, Nexus Repository, Trivy, Docker, Git, GitHub, Blue-Green Deployment Strategy.

Hello World API – Simple Flask App with Automated CI/CD Pipeline - [Click here to view](#)

- 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.
- **Tools:** Python, Docker, Trivy, Github Actions.

CERTIFICATIONS

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

Additional Information

PUBLICATIONS

Production Level Blue-Green Deployment CI/CD Pipeline - Click here to view <i>Medium</i>	February 2025
Cloudflare 18 November 2025 Outage: Full Breakdown, Root Cause, and Impact: A DevOps Perspective - Click here to view <i>Medium</i>	November 2025

VOLUNTEER EXPERIENCE

FarmersConnect – Click here to view <i>Backend/Devops Engineer</i>	Jul 2025 - Aug 2025
<ul style="list-style-type: none">• FarmersConnect, a digital marketplace that connects farmers and seedling suppliers directly with reliable produce buyers. Built and maintained backend services, implemented authentication and APIs, and handled cloud infrastructure, deployment, and CI/CD to ensure a scalable, secure, and reliable platform.	
Alat Royal Kiddies - Click here to view <i>Backend Engineer</i>	Oct 2022- Nov 2022
<ul style="list-style-type: none">• ALAT Royal Kiddies, a digital banking and financial education platform for children. Designed and implemented backend services and APIs to support parent-controlled accounts, allowance management, and secure transactions as part of a final academic project.	