

OLUSEGUN AKINNOLA

Cloud / DevOps Engineer

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PROFESSIONAL SUMMARY:

DevOps Engineer with hands-on experience designing and automating scalable cloud infrastructure on AWS using Terraform, Docker, Kubernetes, and automating CI/CD pipelines. Adept at improving deployment reliability, reducing operational costs, and collaborating with distributed teams across Africa, Europe and American to deliver secure, high-performing systems in production environments.

TECHNICAL SKILLS:

- **Cloud Platforms:** AWS (Primary), Azure, GCP
- **Scripting –** Python, Linux, Bash
- **CI/CD & IAC -** GitHub Action, GitLab, Terraform, AWS CloudFormation, Ansible
- **Containerization & Orchestration-** Docker, Kubernetes, Fargate, EKS
- **Monitoring & Security -** Prometheus, Grafana, CloudWatch, Datadog, 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, and optimize production workloads using Prometheus, Grafana, and AWS CloudWatch, strengthening system performance and reducing infrastructure costs by 15%.

Wema Bank, Lagos, Nigeria (Hybrid)

June 2022- March 2023

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 ALATPay's 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 new ALATPay backend services, improving platform scalability and ensuring feature releases met business and customer requirements within budget.

United Bank of Africa, Lagos, Nigeria (Hybrid)

January 2020-June 2022

Designation: Backend Engineer

- Developed and optimized backend services using C# (.NET Core) to power high-volume financial applications across 20+ African countries, ensuring security, scalability, and compliance with banking standards.
- Designed RESTful APIs and microservices that improved transaction processing speed by 30% and enhanced system maintainability across multiple business units.

- Integrated third-party APIs and internal services to extend UBA's digital banking ecosystem, improving customer experience and enabling faster delivery of new financial features across global operation.

CONTRACTS PROJECTS:

PROJECT I – DevOps & Security Automation Framework

ROLE: - DevOps Engineer

TOOLS & TECHNOLOGIES: Docker, GitHub Actions, SonarQube, Trivy, AWS ECR, NGINX, Terraform, AWS

IMPLEMENTATION HIGHLIGHTS:

- Designed and deployed a full DevSecOps pipeline for containerized applications
- Automated builds and deployments using GitHub Actions
- Integrated SonarQube and Trivy for code and image security scanning
- Pushed secure container images to AWS ECR and deployed behind a NGINX reverse proxy for scalability and reliability

KEY METRICS:

- Reduced deployment errors by 85% and improved compliance readiness (ISO 27001 / PCI-DSS)
- Contributed to a follow-on contract valued at \$400,000

PROJECT II – Automated CI/CD Pipeline for Unreal Engine VR/XR Service on AWS Fargate

ROLE: - DevOps Engineer

TOOLS & TECHNOLOGIES: Docker, GitHub Actions, AWS ECR, ECS Fargate, Load Balance

IMPLEMENTATION HIGHLIGHTS:

- Built automated CI/CD pipelines with GitHub Actions to containerize the Unreal Engine application
- Deployed Docker images to AWS ECR and ran scalable services on ECS Fargate
- Configured a public Application Load Balancer with custom domain mapping.

KEY METRICS:

- Improved deployment speed by 75% and reduced cloud costs by 15%
- Increased XR application delivery rate by 50%, supporting global collaboration

PROJECT III – E-Commerce Web Application

ROLE: Backend & DevOps Engineer

TOOLS & TECHNOLOGIES: - Python (Django), PostgreSQL, Redis, Docker, GitHub Actions, AWS (S3, RDS, EC2), Stripe API

IMPLEMENTATION HIGHLIGHTS:

- Developed full-stack e-commerce application with secure user authentication, product catalogue management, and online payment integration
- Containerized the application with Docker and implemented CI/CD pipelines using GitHub Actions
- Deployed scalable backend infrastructure on AWS for high availability and reliability

KEY METRICS:

- Reduced deployment time by 70% with automated CI/CD
- Improved page load performance by 45% using Redis caching
- Ensured 100% payment success rate with Stripe integration
- Supported 10,000+ concurrent users on AWS infrastructure

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 |
| • Banker in Tech (Software Engineering), Purple Academy (Wema Bank), Ilupeju, Lagos | November 2022 |
| • Diploma in Web Design, New Horizon, Ikeja, Lagos | April 2017 |
| • Bachelor in Computer Science, The Polytechnic, Ife, Osun | June 2011 |