

OLUSEGUN AKINNOLA

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PROFESSIONAL SUMMARY:

A DevOps Engineer with hands-on experience in automating cloud infrastructure, building CI/CD pipelines, and managing Kubernetes deployments. Skilled in AWS, Terraform, Docker, and backend development with C# and Python. Proven ability to deliver scalable, secure, and high-performance solutions that align with business goals.

TECHNICAL SKILLS:

CI/CD Tool	Jenkins, AWS CodePipeline, AWS CodeBuild, GitHub Action, ArgoCD
Build Tool	Maven, AWS CodeBuild
Container Management Tool	Kubernetes, Amazon EKS
Source Code Management	Git, AWS CodeCommit
IAC Tools	Ansible, Terraform, AWS CloudFormation
Security Tools	OWASP Dependency Check, TRIVY, AWS Inspector, AWS Shield, Snyk
Containerization Tool	Docker, AWS Fargate, Kubernetes, Amazon EKS
Ticketing Tool	JIRA, Azure Boards
Artifact Management Tool	Nexus3 & Azure Artifacts, AWS CodeArtifact
Code quality check tool	Sonarqube, AWS CodeGuru
Operating System	Windows, Linux
Cloud Platform	AWS, Azure Cloud, GCP
Monitoring & Logging Tools	Prometheus, Grafana, CloudWatch

WORK EXPERIENCE:

DivVerse LLC, Texas (remote),
Designation: DevOps Engineer

September 2024-Present

- Managed and provisioned AWS infrastructure using Terraform.
- Deployed applications to Kubernetes clusters on AWS (Amazon EKS).
- Created and optimised CI/CD pipelines on AWS CodePipeline and CodeBuild.
- Developed Dockerfiles and built Docker images for application containerisation.
- Integrated tools like Nexus, SonarQube, and Git across CI/CD pipelines to enhance build and deployment workflows.

Revocube Technologies, Lagos (Contract),
Designation: Backend Engineer

August 2023-September 2024

- Executed DevSecOps pipeline, reducing deployment failures by 85% and boosting delivery speed by 40%.
- Built Terraform IaC modules, cutting provisioning time by 70%.
- Integrated Prometheus and Datadog, improving incident response by 60%.
- Led DevOps onboarding, halving engineer ramp-up time.
- Optimized cloud costs by 25% using GitOps and efficient scaling.

Albastic, Lagos (Freelance),
Designation: DevOps Engineer

April 2023-September 2024

- Engineered a CI/CD pipeline that reduced deployment time by 65% and improved release reliability.
- Automated infrastructure provisioning with Terraform, cutting environment setup time by 90%.
- Deployed containerized apps using Docker and Kubernetes, accelerating feature delivery by 3x.
- Implemented real-time monitoring with Prometheus and Grafana, reducing incident response time by 50%.
- Integrated security tools into CI/CD, maintaining zero critical vulnerabilities in production.

Wema Bank, Lagos,
Designation: Backend Engineer

June 2022-December 2023

- Developed scalable backend systems, handling 1000 requests per second with 99.9% uptime.
- Optimized database performance, reducing query response times by 50 milliseconds.
- Implemented RESTful APIs, facilitating seamless communication between frontend and backend.
- Led migration to microservices architecture, resulting in improved flexibility and maintainability.
- Collaborated with cross-functional teams to deliver features on schedule and within budget.

United Bank of Africa, Lagos,
Designation: Backend Engineer

January 2021-June 2022

- Designed and developed RESTful APIs and microservices for scalable applications.
- Built and optimised backend systems using C# and Python frameworks.
- Implemented database schemas and queries for PostgreSQL and MongoDB.
- Integrated third-party APIs and services to enhance application functionality.
- Ensured high code quality through unit testing and code reviews.

Glee Limited, Ikeja, Lagos,
Designation: Website Manager

January 2020-June 2021

- Managed website operations, ensuring 99.9% uptime and seamless user experience.
- Implemented SEO strategies, increasing organic traffic by 50% within six months.
- Oversaw content updates and maintenance, ensuring accuracy and relevance.
- Led the website redesign project, resulting in a modernised layout and improved user engagement.
- Oversaw product listings, pricing, and inventory management for optimal sales performance.

Classic Global Integrated Computer Services, Sagamu, Ogun
Designation: Computer Technology Instructor (IT)

June 2018-June 2019

- Instruct students in subjects like basic computing, programming, networking, hardware/software
- Design or update course materials, syllabus, and instructional guides based on current technology trends and industry needs.
- Provide lab-based instruction on software tools, operating systems, coding, troubleshooting hardware, or configuring networks.
- Create and grade tests, assignments, and projects to evaluate student learning.
- Support students' personal growth and career paths in tech

CERTIFICATIONS:

- **AWS Certified Solutions Architect – Associate** - November 2024
- **AWS Certified Cloud Practitioner**—July 2024
- **AI Career Essentials**, ALX—February 2024
- **SQL Basic Certificate**, HackerRank, October 2022
- **Scrum Master Foundation**, Pluralsight—November 2022

EDUCATION:

- Computer Science From **The Polytechnic, Ife, Osun** **June 2016**
- Diploma in Web Design From **New Horizon, Ikeja, Lagos,** **April 2017**
- Banker in Tech (Software Engineering) From **Purple Academy (Wema Bank), Ilupeju, Lagos,** **November 2023**

PERSONAL PROJECTS:

Project 1	Production-Level Blue-Green Deployment CI/CD Pipeline
Tools & Technology Used	AWS EKS, Kubernetes, Terraform, Jenkins, SonarQube, Nexus, Docker, GitHub Actions, Trivy
Implementation Details	I set up a blue-green deployment strategy on Kubernetes to ensure zero downtime during releases. Using Terraform, I provisioned EKS clusters and configured Jenkins pipelines for automated testing, security scans, and deployments. I integrated SonarQube for code quality and Nexus for artifact storage, managing traffic switching between blue and green environments with Kubernetes services and load balancers.

Project 2	Mastering Cloud-Native Applications with AWS, DevSecOps, and Kubernetes
Tools & Technology Used	AWS, Kubernetes, Terraform, Docker, Jenkins, SonarQube, AWS EKS, AWS IAM, AWS Lambda, CloudFormation
Implementation Details	I deployed containerized cloud-native apps using AWS services like EC2, S3, Lambda, and EKS. I automated infrastructure with Terraform and CloudFormation, embedded security tools like SonarQube, Trivy, and OWASP into the CI/CD pipeline, and enforced compliance controls across AWS. I also managed and monitored EKS clusters for reliable performance.

Project 3	Hosting a Next.js App on EC2 with ECR and GitHub Actions for CI/CD
Tools & Technology Used	AWS EC2, Amazon ECR, GitHub Actions, Docker, IAM, CloudWatch, Nginx
Implementation Details	I launched a Next.js app on EC2, using IAM roles for secure access and Docker to containerize the app. I set up GitHub Actions to automate the CI/CD workflow, pushed images to Amazon ECR, and configured Nginx as a reverse proxy with SSL. I monitored logs and performance using CloudWatch for effective troubleshooting.