

OLUSEGUN AKINNOLA

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PROFESSIONAL SUMMARY:

Results-driven DevOps Engineer with expertise in automating and managing cloud and on-premises deployments. Skilled in CI/CD pipelines, Infrastructure as Code (IaC), and Kubernetes, I optimize workflows for efficiency and scalability. Proficient in AWS services such as EC2, S3, CodePipeline, and CloudFormation, I design and implement secure, high-performance solutions that align with business objectives. Passionate about continuous improvement, reliability, and DevOps best practices to drive operational excellence.

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 checkTool	Sonarqube, AWS CodeGuru
Operating System	Windows, Linux
Cloud Platform	AWS ,Azure Cloud, GCP
Monitoring & Logging Tools	Prometheus, Grafana, CloudWatch

WORK EXPERIENCE:

DivVerse LLC, Texas
Designation: DevOps Engineer

September 2024- Present

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

Dunta Shop, Cameroon

March 2024- September 2024

Designation: Junior DevOps Engineer

- Led the design and implementation of CI/CD pipelines, reducing deployment
- Performed deployments using ArgoCD for Kubernetes orchestration.
- Worked on SonarQube and GitLab integration for code quality and version control.
- Worked on AWS Lambda for serverless functions and event-driven architecture.
- Assist in automating the setup of infrastructure, monitoring, and security tools.

Wema Bank, Lagos LLC

June 2022- December 2023

Designation: Backend Engineer

- 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

January 2021- June 2022

Designation: Backend Engineer

- Designed and developed RESTful APIs and microservices for scalable applications.
- Built and optimized 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.

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
Project description	<ul style="list-style-type: none">• Implemented a Blue-Green deployment strategy in Kubernetes for zero-downtime releases.• Automated infrastructure provisioning using Terraform to create EKS clusters.• Configured Jenkins CI/CD pipelines for automated testing, security scans, and deployment.• Integrated SonarQube for code quality analysis and Nexus for artifact management.• Managed Kubernetes deployments, services, and load balancers to enable traffic switching between blue and green environments.

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
Project description	<ul style="list-style-type: none"> • Deployed cloud-native applications using AWS services like EC2, S3, Lambda, and Amazon EKS for container orchestration. • Automated infrastructure provisioning and management using Terraform and AWS CloudFormation. • Integrated DevSecOps practices by embedding security tools (SonarQube, Trivy, OWASP Dependency Check) into the CI/CD pipeline. • Managed Kubernetes clusters using AWS EKS, including setting up deployments, services, and monitoring. • Implemented security and compliance controls in AWS to safeguard cloud infrastructure and data.

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
Project description	<ul style="list-style-type: none"> • Set up AWS EC2 instances and configured IAM roles for secure access. • Built and pushed Docker container images to Amazon ECR for versioned deployment. • Configured GitHub Actions for CI/CD automation, triggering builds and deployments on code pushes. • Set up Nginx as a reverse proxy for improved app performance and SSL security. • Monitored application logs using Amazon CloudWatch for troubleshooting and performance optimization.

CERTIFICATIONS:

- **AWS Certified Solutions Architect – Associate** - November 2024
- **AWS Certified Cloud Practitioner**- July 2024
- **AI Career Essentials** , ALX - February 2024
- **SQL Basic Certificate, Hackerank**, Hackerank- 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**