OLUSEGUN AKINNOLA

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PROFESSIONAL SUMMARY:

I am a DevOps Engineer skilled in automating and managing deployments in cloud and on-premises environments. I leverage CI/CD pipelines, infrastructure as code, and Kubernetes to streamline workflows. Proficient in AWS services like EC2, S3, CodePipeline, and CloudFormation, I focus on creating secure, scalable solutions that align with business goals.

TECHNICAL SKILLS :

CI/CD Tool	Jenkins, AWS CodePipeline, AWS CodeBuild, GitHub Action
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
Containerization Tool	Docker, AWS Fargate
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

WORK EXPERIENCE:

DivVerse LLC, Texas   **September 2024- Present**
Designation: DevOps Engineer

- 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: 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: Junior DevOps Engineer

- Monitored application performance using Amazon CloudWatch and Prometheus.
- Assisted in managing version control and collaboration workflows with Git and GitLab.
- Collaborated with development teams to troubleshoot and resolve deployment issues.
- Collaborated with developers to troubleshoot pipeline issues and optimize workflows.
- Gained hands-on experience with Azure Functions for serverless application tasks.

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	MERN Stack Application Deployment on AWS EC2 with GitHub Actions & Docker
Tools & Technology Used	GitHub Actions, Docker, AWS EC2, Node.js, MongoDB, Express.js, React.js, Git
Project description	- Deployed a full-stack MERN application on AWS EC2 using Docker for containerization. - Set up CI/CD pipelines with GitHub Actions for automated application build, testing, and deployment. - Managed source code and version control using Git and GitHub. - Configured environment variables and deployment settings to ensure smooth application deployment. - Provided troubleshooting and support for production releases, ensuring high availability and performance.

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	- 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	Creating BankerBot with Amazon Lex and AWS Lambda
Tools & Technology Used	Amazon Lex, AWS Lambda, AWS IAM, AWS API Gateway, DynamoDB, CloudWatch
Project description	- Developed a smart banking chatbot, BankerBot, using Amazon Lex for natural language understanding and AWS Lambda for serverless backend processing. - Integrated Amazon DynamoDB to store and manage user interactions and session data. - Configured AWS API Gateway to handle RESTful API calls between the chatbot and backend services. - Implemented authentication and security using AWS IAM roles and policies to ensure secure interactions with AWS services. - Set up monitoring and logging with AWS CloudWatch to track performance, errors, and usage analytics.

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:

- ND(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**