GERTRUDE CHICHI

linkedin.com/in/gertrude-chichi •https://github.com/Gertrudechichi •gertrudechichi75@gmail.com

SKILLS

Languages: Python, Bash

AWS: EC2, S3, Lambda, CloudFront, CloudFormation, RDS, Aurora, Dynamodb, EKS/ECS, AWS CI/CD Pipeline, AWS Database Migration Service (DMS)

Tools and Technologies: GitHub, Docker, Terraform, Kubernetes, VSCode, Linux Administration.

PROJECTS

AWS 3-Tier Application Deployment Project link   01/2025 - 03/2025

- Designed and deployed a scalable and highly available 3-tier web application on AWS.
- Achieved 99.99% uptime, 30% cost reduction, and 25% performance boost.
- Utilized AWS services like EC2, RDS, VPC, Auto Scaling, and Load Balancer.
- Implemented security features like security groups, IAM roles, and SSL/TLS encryption.
- Demonstrated expertise in cloud-native application design and deployment on AWS.

Containerized Deployment using Docker Compose Link
- Deployed a multi-container application using Docker Compose.
- Built local images and pulled from Docker Hub.
- Deployed 3 containers, each with a different app component.
- Successfully delivered a 100% functional containerized application.

EKS Kubernetes Cluster Deployment Project Link
- Deployed a containerized Nginx application on an Amazon EKS cluster.
- Utilized eksctl and kubectl tools for cluster management.
- Achieved 99.99% availability for Nginx app on Amazon EKS.

AWS Cloud Database Deployment Link
- Provisioned a MySQL database instance on AWS RDS.
- Utilized SQL Workbench to connect and manage the database.
- Designed a database schema using SQL queries.

CERTIFICATIONS/BADGES

- AWS Certified Solutions Architect – Associate Link
- AWS Knowledge: Cloud Essentials Link
- AWS re/Start Program: Azubi Africa

EDUCATION

University of Ghana, Legon   08/2023
Bachelor of Science in Engineering, Biomedical Engineering

Aburi Girls' Senior High School   09/2019
General Science