

ENIOLA ADEWALE

[Address] · [Phone]

devprecious@gmailcom · [LinkedIn](#) · [GitHub](#)

DevOps and Cloud Engineer with 3+ years of experience in designing, automating, and optimizing cloud infrastructures on AWS and Digital Ocean. Proven track record of implementing highly available, scalable, and secure cloud solutions to drive efficiency and innovation in cloud environments. Skilled in cloud architecture, infrastructure as code (IaC) with Terraform, and container orchestration with Kubernetes.

EXPERIENCE

AUGUST 2023 – NOVEMBER 2023

DEVOPS ENGINEER INTERN, GO-MAILER LTD

- Strengthened cybersecurity defences by conducting a comprehensive security audit, identifying and patching 15 critical vulnerabilities, and implementing real-time threat monitoring. Reduced security incidents by 40% within a six-month period.
- Orchestrated the implementation of GitHub Actions to automate post-merge updates for a node.js Api on Digital Ocean droplets. Resulted in a 40% reduction in deployment time and significantly increased development efficiency.
- Enhanced data security measures by implementing SSL encryption for MariaDB, fortifying secure communication channels and safeguarding sensitive customer information. Reduced potential data breach risks by 40%.
- Engineered and deployed a Python-based backup script for MongoDB, enabling fully automated backups and ensuring data redundancy. Reduced manual backup time by 80% and improved data reliability by 95%.
- Automated MariaDB backup with failure alerts, cutting downtime by 40% and boosting recovery speed by 35%.

SEPT 2021 – SEPT 2022

CLOUD ENGINEER, DEWHALES GRAPHIC LIMITED, REMOTE

- Deployed a scalable web application on Google Kubernetes Engine (GKE), implementing best practices in a website.
- Utilized Bash scripting for automating repetitive tasks and improving overall development workflow.
- Provisioned and managed Cloud Storage buckets for static file storage
- Designed and implemented a highly available web server infrastructure on AWS using Infrastructure as Code tools: Terraform and Ansible.
- Automated the provisioning of three EC2 instances running Ubuntu 20.04, demonstrating expertise in scalable infrastructure deployment.
- Configured an Elastic Load Balancer (ELB) to distribute traffic across instances, ensuring high availability and fault tolerance.
- Set up a custom domain name with AWS Route53 and a subdomain pointing to the ELB, showcasing DNS management skills.

CERTIFICATION/EDUCATION

ALT SCHOOL AFRICA APRIL 2022 - APRIL 2023

Diploma in Software Engineering, Major in Cloud Engineering

SKILLS

Cloud Service Providers: AWS, GCP, Digital Ocean.

Containerization: Kubernetes and Docker

Iaas: Terraform and Ansible.

DB: Postgres, MongoDB, MariaDB

Version Control: GitHub

CI/CD: GitHub Actions and Jenkins

Security and Networking: IAM, VPC, DNS, SSL

PROJECTS

AWS Node.js Application Deployment with Terraform (23/8/2024 - 24/8/2024))

- Designed and implemented a Terraform-based infrastructure setup for deploying a Node.js application on AWS, leveraging VPC, subnets, Internet Gateway, Route Tables, Security Groups, EC2 instances, and Network Load Balancers (NLB).
- Configured VPC with CIDR block /16 and two subnets across different availability zones for enhanced fault tolerance and availability.
- Implemented Internet Gateway and Route Tables to enable internet connectivity for EC2 instances.
- Set up Security Groups allowing inbound traffic on ports 22, 80, and 3000 for SSH, HTTP, and custom application access.
- Launched EC2 instance (t2.micro) with public IP for accessibility.
- Configured Network Load Balancer (NLB) to distribute traffic across EC2 instances on port 3000.
- Implemented Terraform scripts for infrastructure provisioning, ensuring automated and repeatable deployment processes.
- Utilized AWS CLI and SSH for application deployment and management on EC2 instance.
- Installed Git and PM2 on EC2 for version control and application process management.

Socks Shop Microservice Deployment Project (02/2023 - 03/2023)

- Led the deployment of a microservices-based e-commerce application on Amazon EKS (Kubernetes) using Terraform for Infrastructure as Code (IaC).
- Automated cloud resource provisioning and management using Terraform, enhancing efficiency and repeatability in infrastructure deployments.
- Collaborated with cross-functional teams to design and implement the microservices architecture, fostering effective team collaboration.
- Documented the entire deployment process, including infrastructure setup, application configuration, and troubleshooting steps.
- Presented the solution to stakeholders, demonstrating strong communication and presentation skills.
- Leveraged AWS services and Kubernetes features to optimize scalability, high availability, and maintainability of the microservices ecosystem.

Dockerized Laravel Application Deployment (07/2023 - 07/2023)

- Engineered a Docker-based deployment strategy for a Laravel application, leveraging containerization for improved scalability and environment consistency.
- Configured a multi-container setup using Docker Compose, encompassing Nginx web server, PHP-FPM, and database services to support the Laravel framework.

- Developed custom Nginx configurations optimized for serving Laravel applications within containerized environments.