

# DUKU AGHOGHO MATHIDA

## Cloud Engineer

Lagos, Nigeria • +2348106528989 • [mathildaduku@gmail.com](mailto:mathildaduku@gmail.com) • [Github](#) • [Medium](#) • [Linkedin](#)

### SKILLS

---

- Linux
- AWS
- Terraform
- Ansible
- Digital Ocean
- Bash
- Git
- Github
- Docker
- HTML
- CSS
- Google Cloud

### PROJECTS

---

#### Laravel Application Deployment

- Implemented a Docker-based solution for deploying a Laravel web application using Dockerfile and Docker Compose.
- Configured services for the Laravel application and MySQL database, and mounted volumes for real-time logs and MySQL data.
- Deployed and tested the application in a test environment, resulting in improved reliability and consistency of deployments.

#### Terraform, EC2 Instance Deployment, and Route53 Configuration

- Created 3 Ubuntu EC2 instances and deployed them behind an Elastic Load Balancer using Terraform
- Registered a domain name and set it up with AWS Route53 within the Terraform plan.
- Wrote an Ansible script to install Apache and display a simple HTML page to clearly identify the instances.

#### AWS EC2 Instance Deployment and Load balancing

- Built a logical network on the AWS cloud and launched EC2 instances in a private network.
- Deployed an Nginx web server on each instance using Ansible.
- Configured an Application Load Balancer to route requests to the EC2 instances, ensuring that access to the servers was only possible through the load balancer.

#### AWS S3 Bucket and CloudFront Deployment

- Created an S3 bucket and enabled static website hosting on the bucket.
- Ensured that the bucket was private but accessible for viewing by using CloudFront.
- Configured CloudFront to provide secure access to the website hosted on the S3 bucket.

#### Automated Deployment of Laravel Application on DigitalOcean using Ansible and Bash Scripting

- Implemented the deployment of a Laravel application using Ansible with Debian 11.
- Wrote a bash script to set up PostgreSQL which was run on Ansible slaves using playbook.
- Ensured secure access to the deployment using a domain name with TLS/SSL encryption.
- Validated all endpoint functionality resulting in a fully functional and secure Laravel application.

#### Phonie Web Application

- Contributed to the development of the "Phonie" web application as part of a team, which helps users identify their telecom carrier by entering their phone number into a form field.
- Collaborated with team members to implement features such as carrier identification, validation, country code support, and auto-completion to provide a seamless and accurate carrier identification experience.
- Utilized HTML, CSS, and JavaScript to design and implement the user interface, build the carrier identification functionality, and enhance the user experience with the auto-completion feature.

#### Multi-Page Website Development

- Developed a 4-page website including an About Me page, Contact page, Register page, and Login page.
- Implemented basic HTML validation for forms on Contact, Register, and Login pages.
- Incorporated a navigation menu linking all pages for seamless user experience.
- Created a Calculator page with a visually appealing UI using HTML and CSS.

### EXPERIENCE

---

#### JAWURA ENVIRONMENTAL SERVICES LIMITED

##### Chemical Analyst

- Conducted chemical analysis of water and food samples to ensure compliance with established standards and specifications.

Lagos State  
Jan 2020 - Oct 2020

- Organized and recorded test results using Microsoft Excel, streamlining data management and facilitating easy access to results for stakeholders.
- Performed regular environmental monitoring in the laboratory to maintain appropriate laboratory conditions, improving the quality of the analysis process.

**WARRI REFINING AND PETROCHEMICAL COMPANY**

**Delta State**

**Quality Control Technician (Intern)**

**July 2018 - Oct 2018**

- Demonstrated initiative and leadership by successfully collecting samples from various collection sites, ensuring the preservation of sample integrity.
- Analyzed experimental data and calculated results, providing valuable insights and contributions to the company.
- Implemented technical expertise by performing routine calibration on testing equipment, ensuring accurate results.

**EDUCATION**

---

**ALTSCHOOL AFRICA**

**2022 - Present**

*Diploma, Cloud Engineering*

**DELTA STATE UNIVERSITY**

**2021 - 2022**

*Masters of Science, Biochemistry*