

Adeyomola Kazeem

Cloud/DevOps Engineer

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EDUCATION

Altschool Africa

Diploma in Cloud/DevOps Engineering

Lagos, Nigeria

Mar 2023

University of Ibadan

Bachelor of Pharmacy

Ibadan, Nigeria

Dec 2016

- Distinction; *Dec 2016*
- Dean's Honor List; *Jan 2013*
- Pressman of the Year; *May 2016*
- Top 12 - Ogidigbo Poetry Prize, Mellanby Hall Press, University of Ibadan; *Oct 2016*
- Scholar, Agbami Medical and Engineering Professional Scholarship; *Nov 2013 – Feb 2016*
- Scholar, Abdulkabir Aliu Foundation; *June 2014 – Feb 2016*

EXPERIENCE

Baeldung

Dec 2022 –

[Contributing Author for Linux – Technical Writing](#)

- Create technical content on Linux, including topics on administration, networking, installation, file, filesystem, scripting, and processes. Optimize Linux knowledge to be more conversational, raising the chance of grasping subject matter by at least 80%.

Altschool Africa

Apr 2022 –

[CI/CD Pipeline for 2 Applications Deployed on EKS Clusters](#) – *Terraform, Docker, Bash Scripting, Kubernetes, Jenkins, Ansible, Prometheus, Grafana, Loki, Promtail*

- Wrote a terraform module that provisions a Jenkins server and a remote S3-DynamoDB terraform backend.
- Included a bash script in the module that provisions the Jenkins server to install necessary tools.
- Created a CI/CD pipeline on Jenkins to provision an EKS cluster, install an SSL certificate, and deploy 2 dockerized applications in the cluster.
- Encrypted sensitive configuration data using ansible vault, moving the possibility of a breach near 100%.
- Set up Prometheus & Grafana for monitoring and Loki & Promtail for logging.
- Ensured a cluster availability of over 80%.

[LAMP Image Docker](#) – *Docker, Bash Scripting*

- Wrote a docker compose configuration that produces a docker image, which creates two containers: one Laravel Blog Application running on an Apache Server and one MySQL database container (a LAMP Image).
- Ensured over 98% automation of the containerization process; the administrator must only edit the .env file and run 2 docker compose commands.

[Terraform For Infrastructure Provisioning \(EC2 Instances Behind An ALB\)](#) – *Terraform, Ansible*

- Created a terraform module that provisions 3 EC2 instances in a custom VPC with 2 public subnets in 2 availability zones.
- Configured the module such that the instances run an Ansible-configured Apache2 webserver from behind an application load balancer, bringing the automation of infrastructure provisioning up by more than 90%.
- Included a submodule that maps the application load balancer's subdomain to a custom subdomain using Route53 Alias Record. This raised the ability of the whole module to be custom-built by more than 50%.

[Ansible For Infrastructure Provisioning \(Private EC2 Instances Behind An ALB\)](#) – *Ansible, Bash Scripting*

- Wrote an ansible playbook that provisions 2 private EC2 instances running nginx webserver behind an application load balancer in a custom VPC with 2 private subnets and 2 public subnets in 2 availability zones.
- Designed the instances to access the internet through an NAT instance. Overall, the playbook allows for around 70-80% automation of infrastructure provisioning.
- Included a group of tasks that configures a Dynamic Autoscaling Policy, which provisions up to 2 extra instances if CPU Utilization exceeds 30%.

- Encrypted sensitive data using Ansible Vault, bringing system vulnerability down by at least 30%.

[LAMP Deployment Playbook](#) – *Ansible*

- Wrote a playbook that deploys the LAMP blog and sets up PostgreSQL on Ubuntu and Debian machines within 5 minutes or less.
- Added tasks that hardened MySQL and installed a Let's Encrypt SSL Certificate for the webserver, minimizing database vulnerability by more than 25%.
- Used Ansible roles for orderliness but did not encrypt sensitive data with Ansible Vault since the playbook was illustrative and made for 100% simplicity.

[Recycle Bin for Linux Terminal](#) – *Bash Scripting*

- Created a recycle bin tool for Linux terminal, bringing down the chances of unintended file loss by 100%.
- Incorporated delete and restore options in the tool. Also added an autodelete feature that permanently deletes files after 30 days in the recycle bin.

ADDITIONAL

Languages:

- Python
- Bash
- JavaScript

Tools:

- Ansible
- Terraform
- Docker
- Kubernetes
- Linux
- AWS
- Azure
- Jenkins
- Prometheus
- Grafana
- Loki
- Promtail

Skills:

- Automation
- Containerization
- Container Orchestration
- Configuration Management
- Infrastructure as Code (IAC)
- Linux System Administration
- Network Administration
- Technical Writing