# ADEWUSI BOB A.

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## WORK EXPERIENCE

### Nethermind | UK, DevOps Intern                                    2023

- Contribute to the development and maintenance of CI/CD pipelines for deploying blockchain applications.
- Automate the build, test, and deployment processes to achieve a continuous and reliable delivery pipeline.
- Implement and maintain monitoring solutions to track the performance and health of blockchain applications and infrastructure, where the use of prometheus and Grafana was leveraged
- Document infrastructure configurations, processes, and procedures to facilitate knowledge sharing and maintain a clear record of the system architecture.
- Deploy and maintain both web 2.0 and web 3.0 infrastructure into AWS and GCP
- Designed and implemented robust system and cloud architectures, ensuring scalability, resilience, and optimal performance.
- Collaborate with development and operations teams to define and implement Infrastructure as Code using tools like Terraform, Ansible.

### SeamlessHR | Lagos, DevOps/Cloud Engineer                          2021

• Utilizing Availability Sets, Availability Zones, Region Failover, Zone/Globally Redundant Services, etc. to ensure a secure zone for organization in AWS public cloud

• Access cost and long term growth of cloud platform Vs on premises solution and create the architecture that best support the application need at the lowest possible cost

• Experienced in S3 Versioning and lifecycle policies to and backup files and archive files in Glacier

• Cloud based infrastructure stacks including orchestration, configuration management, system hardening, patching application configuration, deployment, data backups, disaster recovery and security.

• Managed the deployment of virtual instances in AWS this also included managing the IAM, VPC and Security groups.

• Focusing on high-availability, fault tolerance, and auto scaling using Launch Configuration and Cloud Watch Automation of Creating Environment with AWS Cloud formation.

• Configured and managed various AWS services including EC2, RDS, VPC, S3, Glacier, Cloud Watch, Cloud Front, and Route 53 etc.

• Deployed websites and several supporting APIs (Node.js) following a serverless architecture in AWS (API Gateway, AWS Lambda, CloudFront, DynamoDB, and S3).

• Created DynamoDB to help create a database and data tables, which helped store and retrieve data efficiently and serve the data to the user at very short response rates.

• Worked on configuring cross-account deployments using AWS code pipeline, code build and code deploy by creating cross-account policies & roles on IAM.

### UDACITY | Cloud Engineering/DevOps Tutor                           2022

- As a consultant to Udacity, I utilize my specialized knowledge in field of Cloud Engineering and my strong communication skills to provide mentorship and other student support services.
- Answer questions around course content over the forum and facilitate content for students who get stuck in learning
- Participate in organizing community activities in coordination with the forum's admin to ensure a fun and engaging learning environment and to help in improving student's progress (such as online webinars, technical quizzes, technical challenges. etc.)

### AWS | AWS Community Builder                                        2022

- Worked with supervisor and leadership team to implement strategic goals and intersectional equity efforts.
- Collaborated with groups espousing similar missions and priorities both locally and city-wide.
- Built partnerships with related organizations to develop support and gain greater attention for important issues.
- Gathered opinions and support from grass-roots supporters to solidify group position

**Utito Technologies | DevOps Engineer**                                                    **2020**

    • Managed the automation/operations for the cloud architecture of the SAAS application having 100k+ customers using diverse AWS tools (EC2, SQS, SSM, ECS and others). Also considered disaster recovery in the overall architecture. • Co-hired and mentored 5+ junior engineers many of which went up a rating band every half within the team competitive performance review environment (30-50%).

    • I introduced Agile-SDLC to aid better production experience with CI/CD (via Jenkins and Github Actions), performance testing, infrastructure orchestrations, quick code delivery, automation/security and many others.

    • Managed Azure Services (Azure batch, ADF, alerting etc.) for the Utito game project, including configuration and deployment of all required infrastructure, administrative tasks, and budgeting.


**Microsoft (Intern) |DevOps Engineer**                                       **Sep 2019 – March 2020**

    • Orchestrated and maintained Azure cloud infrastructure taking into consideration IAC, governance, automated testing and app services.

    • Powershell Utilization for Azure deployments

    • Experience with infrastructure as code

    • Grew vast knowledge of Azure IAAS,PAAS,SAAS technologies such as Cloud Services, API Management, Azure Resource Manager (ARM), Azure DevOps, CI/CD, Terraform, Git, Ansible, Agile methodologies and Azure Batch • Full understanding of CI/CD principles

    • Hands-on experience with Docker

    • Basic exposure to Kubernetes.

    • Knowledge of Web Services / Micro Services (REST)


**Google Africa Developers | DevOps Engineer**                        **Jan 2018 – September 2019**

    • Built RESTful APIs and worked with messaging queue in the process then implemented the fundamentals of system design and open-sourced some of our internal side projects while creating documentation for internal APIs and builds.

    • Create the ultimate deep-dive tech guides that get our users through that last 20% of production work and across the finish line.

    • Setup automation test procedures for CI/CD on Azure DevOps. Also, used terraform.

    • Managed and maintained Linux servers while functioned as an on-call engineer for the existing infrastructure.

    • Setup boundary dev, stage and prod environment with Terraform on AWS; used it to manage security and auth access.

    • Functioned as the on-call sysadmin by performing patches, backups, firewalls, CDN setups and servers orchestration with all security consciousness. Also, provided technical support to file servers running NFS, XFS amongst others while optimizing real-time performance for available systems.

    • Leveraged Ansible to easily access servers for any required operations remotely.

## OPEN-SOURCE PROJECTS

    ● [Terraform Script to spin up a whole Network components](#): This repository contains terraform code to fully deploy a VPC and every other networking components all automated


    • [Deploying Kubernetes Application Using AWS ECR, EKS and Github Actions:](#) This repo shows how to deploy a Kubernetes microservice application that is built using Docker using Github Actions as the CI/CD pipeline to AWS ECR and EKS.


    • [Run Python scripts through Azure Data Factory using Azure Batch](#) : This repo shows how a python script (a sample) can be ran via an Azure Data factory pipeline to be ran using Azure batch which deallocates immediately after use therefore being super cost effective and fast compare to running it on a VM.

    • [A simple Flask WebApp using Dockerfile](#): This is a simple web application using [Python Flask](#) and [MySQL](#) database. • [Install Jenkins on an EC2 Instance](#): This is a guide I documented while I was creating a CI/CD pipeline using Jenkins to deploy a Java app on a Tomcat Server.

## LICENSE AND CERTIFICATIONS

**Microsoft Certified: Azure Fundamentals** - Microsoft

**AWS Certified Cloud Practitioner** - Amazon Web Services (AWS)

**Networking Academy Learn-A-Thon 2021** - Cisco

## EDUCATION

• **Udacity**

*Nanodegree, Cloud DevOps With Microsoft Azure*

• **University of Ilorin**

*Bachelor of Engineering, Mechanical Engineering*