# OBAWEYA OLUWASEYIFUNMI ADEDAYO

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## SUMMARY

A DevOps professional with 5+ years' experience in Managing Infrastructure and Operations such as monitoring, troubleshooting, Automation, deployment and maintenance activities required to Drive Enterprise environments. Effectively plan, install, configure and optimize IT infrastructures to achieve high availability and performance.

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## Key Competencies

- **Operating Systems-** Solaris, Ubuntu, Centos, Kali
- **Configuration Management/Automation**- (Ansible, RunDeck, Terraform, Vagrant)
- **Virtualization** (KVM (Proxmox), SmartOS, VirtualBox, Hyper-V and OracleVM)
- **Containers** (Docker),
- **Orchestration** (Swarm, ECS, Kubernetes),
- **SQL Databases** (PostgreSQL, MongoDb and Mysql)

- **Scripting Languages** (Bash, Python),
- **Version Control** (Git and SVN). Web Servers (Apache, Nginx, Tomcat)
- **Monitoring** (Zabbix, ELK stack)
- **CI/CD** (Jenkins, Travis CI, Gitlab, Github Actions, Azure DevOps)
- **Cloud** (AWS, Azure, Oracle Cloud, DO),
- **Backend Frameworks** - Nodejs (Express), Python (Flask).
- **Frontend Framework**- Vanilla Javascript, jQuery, Bootstrap, React

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## WORK EXPERIENCE

**DevOps Engineer**                                                          *(June 2020– Till Date)*
**Sterling Bank Nigeria**
Serve as a member of the DevOps team responsible for supporting, automating, and optimizing mission critical deployments in Azure leveraging Azure DevOps tools and processes

**Responsibilities**
- Creation of CI Pipelines to Support different Languages and environment using Azure DevOps
- Managing Development Repositories and Access Privileges
- Managing and Release of Artifacts to different Azure environment (App service, Virtual Machines and On Prem Servers)
- Infrastructure Automation using Terraform and Az CLI.
- Monitoring using Azure Monitor as well as configuring Alerts when Thresholds are crossed
- Migrating of Deployed Applications to containers and Kubernetes
- Creation of Istio Service Mesh for existing Kubernetes Cluster
- Generation of Reports using OData and Power Bi to Aggregate data from Azure Pipelines.

**Linux System Administrator/ DevOps Engineer**                    *(September 2016 – June 2020)*
**Global Mobility Laboratory (Philippines/Nigeria/ Swaziland /South Africa)**

Serve as a member of the operations team responsible for over 200 Servers and applications monitoring, troubleshooting, Automation, deployment and maintenance activities required to support a large scale, high availability, 24x7 production environments.

**Responsibilities**

- Perform automated provisioning of Unix/Windows OS on premise Virtualized Environments through infrastructure as code using SmartOS and Vagrant for Testing, Development, and production UNIX (Solaris, Linux) servers.
- Creation of Ansible Roles to Automate Server Setups and Monthly Maintenance Tasks (server Reboot, File backups), created Cron Jobs (Bash, Python) to automate daily maintenance tasks such as DB backup, Process Restarts.
- Testing of Roles using Molecule, Docker and Testinfra •Created Data Processing Scripts using Python for generating Reports for Clients.
- Architecting and Migration of Web Application to AWS, Use of Terraform for Provisioning Cloud services.
- Creation and Administration of DigitalOcean Kubernetes Cluster. Performing Cluster administration tasks such as creating RBAC, Policies for Cluster usage
- Implemented Gitlab CI/CD pipeline for automated deployment of Kubernetes Manifest using Argo CD (GitOps Pipeline)
- Monitor health and status of On-premises systems with Zabbix, Enriching, Centralized logging and Metrics analysis with ELK stack
- Monitor DO Kubernetes Cluster with Prometheus and EFK Stack for Logging.
- Patching of Operating Systems for fixing of System Vulnerability and Installing System Upgrades.
- Setup of Network and other services such as DNS, Mail, Web Server (Apache and Nginx), SVN and LDAP and Administer Security/Hardening of Servers by using SSH to restrict server access, Disk Encryptions (ecryptfs), Port Access and Managing Firewalls (IPtables/Firewalld/WatchGuard)
- Optimization, Migration and backup of Databases (MySQL and PostgreSQL)
- Identify Systems vulnerabilities by running Vulnerability scans on Servers and remediation of vulnerabilities identified (Nexpose, ZAP)
- Provide end user support during on/off hours to resolve client support requests and Work with the development team to ensure success of automated builds and Deployments using Rundeck.
- Document post-deployment issues and provide assistance in Issue Resolution •Setup and use of Version control Tools (SVN and Git) to build, maintain, and monitor configuration standards.
- Set-Up and Use of Ticketing tools (OSticket and Request Tracker) •Gather Requirement and Creation of Product specifications for Client Projects.
- Acted as Technical Team Lead for Digitization of Baylor's Vikhela Ekhaya Workflow using CareQuest application, creating specifications and coordinating production with programmers.
- Building of CI/CD pipelines for numerous projects using Azure DevOps

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**PROJECTS AND ACCOMPLISHMENTS**

- Worked with a team of three to gather system requirements and map the flow of data for multidrug resistance tuberculosis patients to design a system to reduce workflow inefficiencies for the Swaziland Tuberculosis Program.
- Developed requirements, prototypes and roll out of EHealth applications in Swaziland. Collaborated with the development team and provided feedback all through development as well as providing day to day support to end users after product deployment.
- Lead the Development of eDOT solution, created a working prototype of a PBX Solution using Asterisks AMI and PHP as part of a Daily Observable Treatment Application for the National Tuberculosis Control Program Swaziland. Coordinated Development with 2 Teams across different time zones.
- Led a Team of 14 developers and QA in Manila Offices as the Product lead to implement new features for CareQuest 2.0 (Mobile Application). Performed Requirements Gathering, Creating product specification

for developers, implemented test cases for Test Driven Development. Gave Continuous feedback through the development process.

- Creation of ngcovid19.com.ng website, using a micro service architecture, Zero downtime and a continuous Integration (Travis CI pipeline). Website is hosted on AWS Elastic Container Service. Also released API's for State Specific Covid19 stats in Nigeria.

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## OTHER CERTIFICATES

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| ● LPIC-1: System Administrator | 2018 |
| ● Azure Fundamentals | 2020 |
| ● Cisco Certified Network Associate (CCNA) (expired) | 2011 |
| ● SAP ERP NetWeaver and SAP Business Warehouse Basics | 2012 |
| ● Cisco Certified Network Professional (CCNP) (expired) | 2014 |

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## ACADEMIC QUALIFICATIONS

**Kwame Nkrumah University of Science and Technology, Kumasi, Ghana** (2016)

*MPhil in Information Technology (Distinction)*

**Covenant University, Ota, Ogun State** (2012)

*B. Eng. in Computer Engineering (Second Class)*

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## RESEARCH PROJECTS

Creation of GSM alert system using infrared Detectors [First Degree Award Project].

Performance Enhancement of next generation networks using networking coding [Master's Degree Thesis]

Creation of a Blog using JQuery and Fake Rest API (json-server) [Decagon Software Development Bootcamp]

Deploying a Pelican Static Website on AWS with Travis CI pipeline.

Creation of PWA Chat using Express, Socket.io, Service and Web Workers.

Creation of Covid19 Dashboard/ Web API Using Node js (Express), Hosted on DigitalOcean Kubernetes Cluster

Development of E Commerce Aggregator Web Application using Selenium and Flask Framework Hosted on DO Kubernetes / ECS

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## PERSONAL SKILLS

*Ability to work independently and as part of a team.
*Ability to work under pressure.
*Self-motivated and target oriented.
*Ability to listen and innovate.

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## INTERESTS

Reading, Travelling, Doing Research Work, Sport, Listening to Music.