

IPADEOLA OLUWASEUN TAIWO

CLOUD ENGINEER | DEVOPS ENGINEER | IT ADMINISTRATOR

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PROFILE SUMMARY

Cloud & DevOps Engineer with hands-on experience building and managing Azure cloud infrastructure using Terraform and implementing CI/CD workflows with GitHub Actions. Experienced in Infrastructure as Code, Azure networking, virtual machines, storage, identity and access management, Linux, and cloud automation. Strong understanding of CI/CD principles, including validation, testing, Terraform planning, artifact management, controlled deployment, and infrastructure lifecycle management. Driven by innovation and continuous improvement, with a focus on building scalable, secure, and automated cloud environments using modern DevOps practices.

CORE COMPETENCIES

- Cloud Platforms: Microsoft Azure, AWS
- Infrastructure as Code (IaC): Terraform, Terraform Modules, Remote State Management
- Container Orchestration: Kubernetes, Docker
- Customer Service and Client Relations
- IT Infrastructure Administration
- CI/CD Pipelines: GitHub Actions, CI/CD Pipeline Design, Automated Validation, Terraform Plan & Apply Workflows
- Automation & Scripting: Azure CLI, Bash, Python.
- Networking: Azure VNets, Subnets, Network Security Groups (NSGs), VNet Peering, Public/Private IP, Load Balancing, TCP/IP, Firewalls
- Identity & Access Management: Microsoft Entra ID, Azure RBAC, Service Principals, SSH Authentication
- Technical Support and Troubleshooting
- Cloud Infrastructure: Azure Virtual Machines, Storage Accounts, Resource Groups, Azure Networking
- Version Control: Git, GitHub, Branching & Collaboration Workflows
- Security: Cloud Security Best Practices, Access Control, Secure Infrastructure Configuration, Secrets Management
- Linux Administration: Linux CLI, Package Management, Services, SSH, Nginx
- Technical Support & Troubleshooting: Infrastructure Troubleshooting, Deployment Troubleshooting, System Administration
- Technical Documentation: Infrastructure Documentation, Deployment Documentation, Technical Reporting

WORK EXPERIENCE

HEAD OF OPERATIONS / IT & TECHNOLOGY

Relitorin International Inc. — Lagos, Nigeria

February 2023 – Present

- Manage day-to-day technology and IT operations, troubleshooting network connectivity, email, workstation, printer, and other technical issues to maintain business continuity.
- Administer and troubleshoot company IT systems, coordinating hardware, software, connectivity, and user-access issues across business operations.
- Develop and maintain full-stack web applications supporting company operations and business processes
- Manage source code and application development workflows using Git and GitHub, following structured development and deployment practices.
- Build and manage cloud infrastructure in Microsoft Azure, including virtual machines, networking, storage, resource groups, and identity/access controls through hands-on cloud projects.
- Provision Azure infrastructure using Terraform, applying Infrastructure as Code principles to improve consistency, repeatability, and infrastructure management.

- Develop CI/CD workflows using GitHub Actions to automate Terraform formatting, validation, planning, artifact management, and infrastructure deployment.
- Troubleshoot deployment and infrastructure issues across development and cloud environments, identifying configuration, dependency, authentication, and connectivity problems.
- Document infrastructure configurations, deployment procedures, troubleshooting steps, and technical processes to improve repeatability and knowledge sharing.

IT ADMINISTRATOR

Big8 Intergrated, Lagos State

March 2021 – November 2022

- Managed and supported day-to-day IT infrastructure, including network connectivity, workstations, software, user accounts, and peripheral devices.
- Troubleshot network, system, software, and hardware issues to minimize disruption to business operations.
- Configured and maintained user accounts, permissions, and access to company systems.
- Installed, configured, and maintained business software and IT equipment.
- Supported users with technical issues and provided timely troubleshooting and resolution.
- Monitored network and system issues and coordinated escalation of complex problems when required.
- Supported backup and recovery procedures to help maintain business continuity.
- Documented recurring technical issues and solutions to improve troubleshooting efficiency.

IT SUPPORT

Dalf Eti, Lagos State

February 2020 – October 2020

- Provided technical support for users experiencing hardware, software, connectivity, and application issues.
- Installed, configured, and updated software and workstation systems.
- Troubleshot user access, connectivity, and system issues and escalated complex problems when necessary.
- Assisted with user account and permission management.
- Maintained technical documentation and recurring issue records.
- Provided end-user support while minimizing disruption to daily business operations.

EDUCATION

Federal University of Agriculture, Abeokuta (FUNAAB), Ogun State, Nigeria

2014 – 2019

Bachelor of Agriculture (B.Agr.), Crop Protection

CERTIFICATIONS/TRAINING

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|---|--|
| • Microsoft Certified: Azure Administrator Associate (AZ-104) - Exam Scheduled: September 8, 2026 | • Kubernetes and Cloud Native Essentials (LFS250) - Linux Foundation |
| • Introduction to Kubernetes (LFS158) - Linux Foundation | • Introduction to Linux (LFS101) - Linux Foundation |
| • Microsoft AI Skills Fest 2026 - Microsoft | • Tools of the Trade: Linux and SQL - Google/Coursera |
| | • Google Cybersecurity Professional Certificate - Google |

TECHNICAL SKILLS

- | | |
|--|--|
| • Cloud Platform: Microsoft Azure | • DevOps Tools: Git, GitHub, Azure CLI |
| • Infrastructure as Code: Terraform, Terraform Modules, Terraform State Management | • Operating Systems: Linux, Windows |
| • CI/CD: GitHub Actions, CI/CD Pipeline Design, Automated Validation, Terraform Plan & Apply Workflows | • Introduction to Linux (LFS101) - Linux Foundation |
| • Containerization & Cloud Native: Docker, Kubernetes, Minikube, Containerization | • Cloud Infrastructure: Azure Virtual Machines, Storage Accounts, Resource Groups, VNets, Subnets |
| | • Networking: TCP/IP, VNets, Subnets, Network Security Groups (NSGs), Public/Private IP, Load Balancing, SSH |

- Identity & Security: Microsoft Entra ID, Azure RBAC, Identity & Access Management, Secure Infrastructure Configuration
- Database: SQL, PostgreSQL
- System Administration: User/Permission Management, Linux CLI, Package Management, System Troubleshooting
- Scripting & Programming: Bash, Python, JavaScript, Node.js
- Web Development: React.js, Next.js, HTML, CSS, REST APIs
- Version Control: Git, GitHub

RECENT PROJECTS

Terraform Enterprise Multi-Environment Azure Infrastructure

Terraform | Azure | Remote State | State Locking | Modules

- Designed a reusable Terraform module to provision three isolated Azure environments: payments, analytics, and platform.
- Implemented Azure Blob Storage remote state with state locking to support consistent infrastructure management across environments.
- Used typed module inputs and outputs to eliminate duplicated infrastructure configuration and improve maintainability.
- Terraform state recovered following a network failure during an active deployment, using state recovery and force-unlock procedures.

Terraform CI/CD Pipeline with GitHub Actions

GitHub Actions | Terraform | Azure | CI/CD | Service Principal

- Designed and implemented a three-stage Terraform CI/CD workflow covering formatting, validation, planning, artifact management, and controlled deployment.
- Configured GitHub Actions to authenticate securely with Azure using service-principal credentials stored as GitHub Secrets.
- Generated and stored the Terraform execution plan as an artifact before the deployment stage, ensuring the applied infrastructure matched the reviewed plan.
- Configured workflow triggers for pull requests and pushes to main, with infrastructure deployment restricted to approved changes reaching the main branch.

Terraform Azure VM Deployment with Remote State

Terraform | Azure VM | VNet | NSG | Azure Storage | SSH

- Provisioned a complete Azure VM environment using Terraform, including VNet, subnet, NSG, NIC, public IP, and Linux VM resources.
- Configured Azure Blob Storage as a remote Terraform backend with state locking to prevent concurrent state modifications.
- Demonstrated Terraform state locking through a live concurrent-apply test.
- Designed and associated NSG rules to control network access to the deployed infrastructure.

Azure Secure Infrastructure Lab

Azure | VNet | NSG | Azure Bastion | NAT Gateway | Azure CLI

- Designed a secure Azure network environment with workload VMs deployed without public IP addresses.
- Implemented Azure Bastion for secure administrative access and NAT Gateway for controlled outbound connectivity.
- Applied network segmentation and NSG rules to control traffic between infrastructure components.
- Practiced enterprise-oriented VM access patterns that reduce direct public exposure of workloads.

Multi-Region Azure VNet Peering

Azure VNet | Global VNet Peering | UDR | NSG | Azure CLI

- Designed a hub-and-spoke network topology connecting Azure VNets across multiple regions using global VNet peering.
- Configured private cross-region connectivity using Microsoft's backbone network.
- Implemented User Defined Routes and NSG rules to control traffic flow between network segments.

CLI-Deployed Website on Azure VM

Azure CLI | Bash | Ubuntu | Nginx | NSG | SCP

- Provisioned and configured an Azure Ubuntu VM entirely through Azure CLI without relying on the Azure Portal.
- Automated server provisioning using Bash and configured Nginx to serve a deployed web application.
- Diagnosed and resolved an NSG priority conflict affecting application accessibility.
- Used SCP to transfer application files to the Linux server and verified the deployed application through the VM's public endpoint.