

ADEBAYO A. OMOLUMO (Cloud Engineer)

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As a Senior Cloud Engineer, I have successfully designed, implemented, and managed cloud-based infrastructure across AWS, Azure and GCP. I have extensive experience in implementing and managing DevOps practices and tools such as CI/CD, Git, Jenkins, Ansible, Terraform, and Kubernetes. Additionally, my automation and scripting skills using Python, Bash, and PowerShell have streamlined workflows and increased efficiency. With a proven ability to collaborate with cross-functional teams and lead projects, I leverage strong communication and interpersonal skills to ensure project success.

PROFESSIONAL EXPERIENCE

IGLUM TECH SERVICES

Remote

Cloud DevOps Engineer

Nov 2022–Present

- Led a team in developing a Human Resources product for small businesses. Proposed and implemented CI/CD to automate software build and deployment. Designed and built CI/CD pipelines for Continuous Delivery.
- Utilized configuration management tool for deployment to cloud-based servers. Configured Ansible Playbooks and Roles for infrastructure automation. Integrated Slack and email for job failure alerts.
- Set up AWS infrastructure and PostgreSQL database in RDS. Deployed backend files to EC2 instance and ran unit tests. Added SSH Key pair and environment variables to Circle CI project.
- Configured jobs to execute Ansible Playbooks for infrastructure setup. Configured jobs to deploy frontend and backend code to EC2 instances. Ran database migrations and sent status to third-party store. Created separate jobs for frontend and backend to receive more descriptive failure alerts.

Cloud Architect

Feb 2022–May 2022

- Led migration of contracted company's data and applications to Azure cloud services for cost efficiency and resiliency.
- Conducted a comprehensive assessment of the on-premises environment, generating a total cost of ownership report with an estimated cost savings of \$494,692/yr. after configuring VMs using Azure Pricing Calculator to ensure cost optimization.
- Monitored and managed Azure infrastructure through creating an Azure dashboard, setting up Azure Monitor-Metrics and generating a Log Analytics workspace, enabling Alert & Actions under Azure Monitor > Overview using Azure Monitor-Smart Alerts.
- Set up Auto scale rule for Virtual Machine Scale Set to ensure infrastructure could scale in and out based on the number of users per CPU core, resulting in optimized and cost-efficient infrastructure.

Cloud Infrastructure Engineer

August 2021–Nov. 2021

- Developed and implemented CloudFormation scripts, streamlining infrastructure provisioning and automating deployment processes, reducing setup time, and saving company resources.
- Collaborated with cross-functional teams to ensure seamless infrastructure deployment, maximizing application uptime, and improving overall user experience.
- Established secure private subnets with a load balancer and application servers, minimizing the risk of security breaches and unauthorized access to sensitive company information.
- Implemented a robust logging system and a bastion host for SSH access, enabling efficient troubleshooting of issues and quick infrastructure modifications to improve performance.

ENTREPRENEURIAL EXPERIENCE

SaveEarth

Remote

March 2020–August 2022

- Developed Save Earth with Azure AI to create awareness on rare, unique, and endangered plants and animals through picture sharing.
- Enabled automatic detection and storage of high priority images using Custom Vision AI and Blob Containers.
- Created a community for environmental/nature enthusiasts to feature and discuss nature, promoting the conservation of our planet.
- The SaveEarth project successfully won 2 hackathons participated in and received funding from AWS.

EDUCATION

UNIVERSITY OF IBADAN

Bachelor of Engineering in Wood Products Engineering

Ibadan, Nigeria

May 2019

SKILLS

- **Cloud Infrastructure:** Expertise in designing, implementing, and managing cloud-based infrastructure, including AWS, Azure, and GCP.
- **DevOps Practices:** Proficiency in implementing and managing DevOps practices and tools, such as CI/CD, Git, Jenkins, Ansible, Terraform, and Kubernetes.
- **Automation and Scripting:** Experience in automation and scripting using languages such as Python, Bash, and PowerShell to streamline workflows and increase efficiency.
- **Collaboration and Leadership:** Proven ability to collaborate with cross-functional teams and lead projects, leveraging strong communication and interpersonal skills.

PROFESSIONAL TRAINING AND CERTIFICATIONS

Aviatrix ACE Associate Certification
Microsoft Certified: Azure Fundamentals
Microsoft Certified: Azure Administrator Associate
Google Cloud Platform Associate Cloud Engineer
Cloud DevOps Engineer Nanodegree - Udacity

Project Management Certification
Microsoft Certified: Azure Developer Associate
Google Cloud Certified Professional Cloud Architect
Cloud Developer Nanodegree – Udacity
Azure Architect Nanodegree – Udacity