

PROGRESS BOUGHHA

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| Portfolio

PROFESSIONAL SUMMARY

Results-driven Cloud & DevOps Engineer with hands-on experience in designing, automating, and optimizing scalable cloud infrastructures using AWS and open-source tools. Background in software engineering with expertise in Python. Seeking an opportunity to grow technical skills while contributing to reliable deployment and cloud operations.

TECHNICAL SKILLS

- **Cloud:** AWS (EC2, S3, IAM, VPC, CloudWatch, Route53, RDS, ELB, Auto Scaling)
- **DevOps & IaaS:** Terraform, CloudFormation, Ansible, Docker, Kubernetes
- **CI/CD:** Jenkins, GitHub Actions, AWS CodePipeline, CodeBuild
- **Systems & Networking:** Linux, Networking fundamentals, Bash scripting
- **Version Control:** Git, GitHub, Git Desktop
- **Monitoring:** Prometheus, Grafana
- **Software:** Python

PROFESSIONAL EXPERIENCE

CloudSpace Consulting LLC - DevOps Cloud Engineer (Remote)

Manassas, VA | April 2025 – Present

- Architected and deployed scalable, fault-tolerant, and cost-optimized distributed systems on AWS.
- Built, deployed and maintained AWS Infrastructure using Infrastructure as Code such as Terraform and CloudFormation.
- Containerized applications with Docker, optimizing deployment processes, scalability and portability.
- Provisioned and maintained EKS clusters for the development team using CloudFormation, ensuring robust and reliable Kubernetes orchestration.
- Streamlined infrastructure provisioning through automated Terraform workflows, improving consistency and reducing setup time.
- Automated end-to-end application deployment to EKS using Jenkins, minimizing manual intervention and enhancing release reliability.
- Utilized AWS CloudWatch and SNS for application and infrastructure monitoring and responsiveness.
- Developed Ansible Playbooks to configure, provision, and manage deployments across multiple AWS environments.
- Conducted AWS infrastructure audits using Trusted Advisor to optimize performance, security, and cost.

Medray Medical Diagnostics Limited, Nigeria – Remote Junior Software Developer

Nigeria | May 2023 – May 2025

- Developed interfaces and backend logic using Python.
- Identified and resolved bugs in distributed software environments.
- Provided hardware/software/network technical support.
- Monitored logs and contributed to root-cause analysis.
- Documented troubleshooting procedures.
- Participated in infrastructure improvement projects.

PROJECT EXPERIENCE

- Deployed **Serverless Website on AWS (Portfolio Project)**
 - Built CI/CD pipeline using Jenkins and Terraform to deploy Lambda + API Gateway.
 - Implemented monitoring with CloudWatch and SNS alerts.
- Containerized **Application Deployment**
 - Containerized a sample web app using Docker and deployed to EKS.
- Gas Compressibility Factor Model Development using ML
 - Applied ANN, GMDH, and Genetic Programming to model the compressibility factor (Z-Factor) of a dry gas reservoir.
 - Implemented and optimized these machine learning models in Python for accurate predictive performance.
- Finance Calculator
 - Built a Python-based financial calculator enabling users to compute long-term investment returns or monthly bond repayments.
- Holiday Cost Calculator
 - Developed a Python program that calculates total holiday costs—covering flights, hotel stays, and car rentals—based on user-selected destinations, nights, and rental days.

CERTIFICATES

AWS Certified Cloud practitioner	August 2025
AWS Certified Solutions Architect Associate (In Progress)	
Software Engineering Certification (CoGrammar Bootcamp)	March 2024

EDUCATION

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| • AWS Cloud Training Bootcamp | April 2025 – December 2025 |
| • MSc Petroleum Engineering — Teesside University | 2023–2024 |
| Distinction | |
| • B.Eng Petroleum Engineering — University of Benin, Nigeria | 2014–2018 |
| Second Class Upper | |