Chigozie Charis Nnadi

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PROFESSIONAL SUMMARY

DevOps Engineer with 2+ years of hands-on experience in infrastructure automation, deployment, and backend development. Proven ability to reduce deployment time, manage scalable environments, and collaborate cross-functionally to deliver robust, secure systems.

TECHNICAL SKILLS

Cloud/DevOps & Infrastructure: Microsoft Azure, AWS, Google Cloud, DigitalOcean, ARM Templates, Bicep, Terraform, Ansible, Kubernetes, Docker, Helm, GitHub Actions, Jenkins, Prometheus, Grafana
Programming & Scripting: Python (Django), Bash, JavaScript, C#
Version Control: Git, GitHub
Operating Systems: Linux (Ubuntu), Windows

WORK EXPERIENCE

EPass Africa   June 2025 - August 2025
DevOps Engineer *(Digital Ocean, docker, github actions)*
- Created deployment pipelines using GitHub Actions and Docker, creating robust CI/CD workflows that reduced manual deployment efforts by 40%.
- Deployed and managed a containerized web application on DigitalOcean Droplets, configuring Nginx, SSL certificates, and domain setup to ensure high availability.
- Established a monitoring stack with Prometheus and Grafana, reducing mean time to detection (MTTD) of critical issues by 25% through alerting.
- Ensured 99.9% uptime and secure user access by strategically managing DNS settings, SSL/TLS certificates, and network routing.
- Collaborated with product, design, and content teams to coordinate updates, feature releases, and seamless deployment timing.

NTS Africa   April 2024 - May 2025
Cloud Engineer *(Microsoft Azure, ARM Templates,* Azure Active Directory*)*
- Automated the provisioning of Azure infrastructure using Terraform and ARM templates, managing over 20 resource groups and accelerating deployment time by 30%.
- Integrated Azure Active Directory with on-premises systems for a hybrid identity solution, securely managing access for 10+ devices and users.
- Configured and secured network components, including Network Security Groups (NSGs), Azure Firewall, and Load Balancers across 5+ subnets.
- Developed and maintained Azure Monitor dashboards for 100% of the critical infrastructure components, including VMs, databases, and networks, enabling real-time visibility and accelerated issue identification.
- Collaborated with the IT team to scale infrastructure according to project needs, ensuring alignment with security best practices.

ALX Africa   March 2022 - December 2022
Software Engineer *(Linux, C,* Python, Django*)*
- Completed a rigorous project-based full-stack curriculum covering Linux, C, Python, JavaScript, and advanced data structures.
- Specialized in back-end development, building RESTful APIs and server-side logic using Python (Django).

- Engaged in continuous assessment via hands-on projects, peer code reviews, and technical challenges in a sprint-based environment.
- Developed critical soft skills in collaboration, technical communication, and time management through mentorship and peer learning.

PROJECTS

Kubernetes Deployment using Helm for a Microservices App - [Github](#)
- Architected a secure AWS EKS cluster, configuring VPC networking, Security Groups, and IAM Roles to establish a robust foundation for cloud-native applications.
- Orchestrated a 4-service Python microservices application on Kubernetes, creating a scalable video processing pipeline for user authentication, file conversion, and notifications.
- Implemented the deployment of stateful dependencies (PostgreSQL, MongoDB, RabbitMQ) with Helm, reducing manual configuration by over 90% while ensuring repeatable deployments on AWS EBS.
- Implemented RabbitMQ for asynchronous task queuing, decoupling the video conversion module to enhance system resilience and scalability under fluctuating workloads.

Automated CI/CD and DevSecOps Pipeline for a React/MUI Netflix Clone - [Github](#)
- Engineered a DevSecOps CI/CD pipeline via Jenkins to automate the build, security, and deployment of a React application on AWS EC2.
- Integrated SAST/Vulnerability Scanning using SonarQube (with Quality Gates), Trivy (image/filesystem scans), and OWASP Dependency-Check.
- Implemented containerization and registry management, securely building the Docker image with a secret API key and pushing the final artifact to Docker Hub.
- Established a comprehensive Monitoring Stack utilizing Prometheus for metric collection and Grafana for real-time visualization of application and infrastructure health.
- Introduced a GitOps deployment strategy by configuring ArgoCD on a Kubernetes environment for declarative and automated application delivery.

Serverless Container Deployment on AWS ECS - [Github](#)
- Containerized a Python Flask API using Docker, optimizing the image for production deployment on Amazon ECR.
- Architected a scalable, serverless infrastructure using AWS ECS Fargate, eliminating the need for EC2 instance management.
- Configured high-availability networking with an Application Load Balancer (ALB), Target Groups, and granular Security Group rules across multiple Availability Zones.
- Automated the entire deployment pipeline using Terraform for Infrastructure as Code and GitHub Actions for CI/CD, achieving zero-downtime deployments.

EDUCATION

University of Lagos
Bachelor of Science in Systems Engineering   Date:Sept 2025

CERTIFICATIONS
- [Microsoft Certified: Azure Fundamentals (AZ-900)](#)
- [Microsoft Certified: Azure Administrator Associate (AZ-104)](#)
- [Microsoft Certified: Azure AI Fundamentals (AI-900)](#)
- [Oracle Cloud Certified DevOps Professional](#)

ADDITIONAL
• Native Language: English (Fluent)