

Nkechi Anna Ahanonye

Cloud & DevOps Engineer | AWS · Ansible · Terraform · K8s | Agentic AI Automation

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PROFESSIONAL SUMMARY

15 years running a cybercafe taught me something I still carry into every deployment: real users don't care about your stack. They care that things just work. That mindset pulled me from managing physical machines into automating cloud infrastructure, and it's why I'm particular about building systems that don't break at 2 AM.

I work with Terraform, Ansible, Docker, Kubernetes, and CI/CD pipelines to eliminate manual processes and keep deployments predictable. Ansible is where I've gone deepest - I've built full multi-service deployment pipelines with roles and playbooks, debugged real Nginx and MySQL production issues, and turned that experience into a free Ansible Lab and a 15-module masterclass that engineers across Africa are actually using.

I also build agentic AI automation workflows - combining Claude, LangChain, MCP, and Groq/Llama with DevOps tooling to create infrastructure that partially manages itself. It's a rare combination, and it's where I think the future of DevOps is heading.

Open to remote Cloud Engineering, DevOps, SRE, and Platform Engineering roles. Also available for consulting and training partnerships.

CORE TECHNICAL SKILLS

Cloud & AWS	EC2, RDS, VPC, IAM, ALB, S3 - production infrastructure design and deployment
IaC & Config	Terraform (3-tier architecture, 33 resources), Ansible (roles, playbooks, multi-service deployments, provisioning)
Containers	Docker, Kubernetes (k3s, self-healing clusters, GitOps with ArgoCD)
CI/CD	GitHub Actions, Jenkins - automated build, test, deploy workflows
Agentic AI	Claude, LangChain, Groq/Llama, MCP (Model Context Protocol), Notion API, Zapier
Scripting	Bash, Python - automation scripts, API integrations, AI agents
Monitoring	Datadog, Prometheus, Grafana - alerting, uptime tracking, proactive incident detection
Networking & OS	Linux (Ubuntu), Nginx, MySQL, SSH, VPNs, security groups, firewall configuration
Soft Skills	Technical documentation, mentorship, incident triage, cross-team collaboration

PROFESSIONAL EXPERIENCE

Cloud & DevOps Engineer - CloudAdvisory Oy (DMI Program) | Feb 2026 - Present | Remote

- Designed, deployed, and managed scalable AWS infrastructure (EC2, RDS, VPCs, ALBs) supporting live application environments with high availability
- Built and maintained CI/CD pipelines using GitHub Actions, cutting deployment time by ~60% and eliminating manual release errors
- Automated server provisioning and multi-service application deployments using Ansible roles and playbooks
- Resolved production-level Nginx, MySQL, and SSH connectivity issues on live Ubuntu 22.04 EC2 instances
- Implemented IAM policies, security groups, and VPC configurations following AWS security best practices
- Documented all deployments, configuration decisions, and runbooks so the team could own and maintain everything

Stack: AWS (EC2, RDS, VPC, IAM, ALB) | Terraform | Ansible | Docker | GitHub Actions | Bash | Python | Linux | Nginx | MySQL

Cloud & DevOps Engineer - Digital Witch Support Community | Feb 2025 - Sep 2025 | Remote

- Automated infrastructure provisioning and deployment workflows using Terraform, Docker, and GitHub, reducing manual environment setup time by 40%

- Configured and managed scalable Kubernetes environments on AWS for high availability of containerized multi-service applications
- Implemented Datadog monitoring and alerting, improving early issue detection and reducing simulated downtime across environments
- Supported WordPress + MySQL production-like deployments, applying DevOps best practices to cut deployment errors by 25%
- Engineered offline-first CI/CD workflows that maintained consistent deployment capability under unreliable network conditions
- Created technical documentation and onboarding guides that cut new member ramp-up time by 30%

Stack: AWS | Kubernetes | Docker | Terraform | Ansible | Datadog | Git/GitHub | MySQL | WordPress | Linux | CI/CD

AI Integration & Automation Specialist - ALX Nigeria | Apr 2024 - May 2025 | Remote

- Automated repetitive workflows by integrating AI tools (ChatGPT, Notion AI, Zapier), saving 5-10 hours per week in scheduling, reporting, and documentation
- Built AI-powered systems using prompt engineering to streamline content creation, data organization, and task management
- Applied responsible AI practices to create scalable, ethical automation solutions - laid the foundation for my current agentic DevOps work

Teacher | Mentor | Educator - Beacon Starkids School | Aug 2022 - Sep 2025 | Lagos, On-site

- Taught English and Science to pupils transitioning to secondary school - developed the communication and simplification skills I now use for technical documentation and cross-team work
- Managed structured learning environments for diverse student groups over 3 years - adaptability, organization, and problem-solving in dynamic situations

Sales & Customer Operations Manager - Neighbourhood Communications | Aug 2016 - Sep 2022 | Lagos, On-site

- Led a sales team to grow revenue by 25%, applying stakeholder communication and strategic planning skills that transfer directly to engineering project delivery
- Designed client-tracking and task-assignment systems in Excel - early process optimization that became infrastructure automation

KEY PROJECTS

Ansible Lab - Free Hands-On Training

nkydigitech.github.io/ansible-lab

A free Ansible training lab with 5 modules and 4 hands-on labs covering roles, playbooks, provisioning, and multi-service deployment. Built from real production debugging experience - includes actual Nginx 403/502 and MySQL socket issues engineers will encounter in the wild. Used by developers across Africa.

Ansible Guide - 15-Module Masterclass

nkydigitech.github.io/ansible-guide

A comprehensive Ansible masterclass covering everything from basics to advanced multi-play deployments. 15 modules with real terminal output, configuration examples, and troubleshooting scenarios. Designed for engineers who want to go beyond tutorials and actually deploy.

Ultimate DevOps Learning Hub

nkydigitech.github.io/ultimate-devops-learning-hub

A 4-phase DevOps curriculum covering cloud fundamentals, infrastructure as code, containers and orchestration, and agentic AI + MCP. Phase 4 is where I bring in Claude, LangChain, and MCP to show how AI agents can be integrated into DevOps pipelines. Built for the African tech community.

3-Tier AWS Architecture with Terraform

github.com/nkydigitech

Designed and deployed a full 3-tier AWS infrastructure (EC2 + RDS + ALB) using Terraform - 33 resources provisioned automatically, zero manual setup. Includes VPC, security groups, IAM, and auto-scaling.

Ansible Multi-Play Deployment (EpicBook App)

Full application deployment using Ansible roles for provisioning, Nginx configuration, MySQL setup, and app deployment in a single automated pipeline. Debugged and resolved real Nginx 403/502 errors and MySQL socket authentication issues in production-like environments.

Agentic DevOps Knowledge Base Builder

Built a Python-based AI agent leveraging Groq's Llama model and the Notion API to auto-generate structured DevOps knowledge base entries. Submitted to the Notion MCP Challenge on DEV.to.

Docker Multi-Tier Deployment (Book Review App)

Deployed a multi-service book review application using Docker in GitHub Codespaces. Resolved critical issues including CORS, Next.js SSR vs client-side fetching conflicts, and Codespaces port visibility.

GEORGEL Cancer Foundation NGO App

Built and maintained a production application for GEORGEL Cancer Foundation in collaboration with Jos University Teaching Hospital (JUTH) and the Ministry of Health. Achieved 99.9% uptime - the app handled real patient data and needed to be available around the clock.

EDUCATION & CERTIFICATIONS

- **Bachelor of Business Administration** | University of Lagos | Sep 2010 - Dec 2014
- **Build AI Agents for Business: Automate Work Without Coding** | Udemy | 2026
- **Ultimate Agentic AI DevOps with Claude Code** | Udemy | 2026
- **DevOps & Cloud Engineering Certification** | CloudAdvisory Oy / DMI Program | 2025 - 2026
- **Cloud Computing & DevOps Certification** | Digital Witch IT Support Community | Feb - Sep 2025
- **Practical GitHub Actions** | Udemy | 2025

All project work publicly documented - github.com/nkydigitech | nkydigitech.github.io/nky-portfolio | Open to remote and Lagos-based roles