

MARY-ANN ORANEKWULU

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PROFESSIONAL SUMMARY

DevOps Engineer with a solid foundation in AWS cloud technologies, containerisation, infrastructure as code, and automation tools. Skilled in Git, GitHub, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, and SonarQube. Passionate about continuous learning and delivering scalable, secure cloud environments through hands-on projects and freelance engagements.

CORE COMPETENCIES

Technical Skills:

AWS (EC2, S3, IAM, VPC, Route53, CloudTrail) | Terraform | Git, GitHub, GitHub Actions | Jenkins | Docker | Kubernetes | SonarQube | Bash scripting (basic)

Soft Skills:

Problem-Solving | Communication | Time Management | Adaptability | Team Collaboration | Analytical Thinking | Initiative | Fast Learning

WORK EXPERIENCE

Freelance DevOps (Self-Led)

Self Project — Sep 2024 – Present (Remote)

- Built and deployed a static website hosted on AWS S3, optimising for cost and availability.
- Deployed a microservices-based real estate portal on AWS EKS (Kubernetes), implementing load balancing and automatic resource scaling to ensure high availability and performance.
- Developed and deployed a serverless contact form using AWS Lambda, API Gateway, DynamoDB, and Boto3, enabling scalable, low-latency user interactions.
- Created and automated CI/CD pipelines with GitHub Actions to streamline deployments and improve development velocity.

- Designed and implemented a scalable AWS monitoring system providing real-time visibility and alerting for critical infrastructure components.
- Provisioned AWS resources using Terraform to maintain infrastructure as code and ensure consistent environments.
- Documented all projects thoroughly on GitHub with clear, structured READMEs for knowledge sharing and future reference.

Cloud & DevOps Trainee (Freelance)

Freelance Projects / Lab Environment — Feb 2025 – Present

- Developed and maintained CI/CD pipelines using GitHub Actions and Jenkins to automate build, test, and deployment workflows.
 - Deployed and orchestrated Docker containers with Kubernetes, improving application scalability and reliability.
 - Provisioned and managed AWS infrastructure using Terraform to create repeatable and consistent cloud environments.
 - Automated routine tasks through Bash scripting, increasing operational efficiency.
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PROJECTS

Operation Cloud Mirage – AWS Threat Simulation

- Simulated a targeted cloud security breach to identify vulnerabilities and assess organisational risk.
- Hardened AWS IAM roles by enforcing least-privilege access policies, reducing attack surface exposure.
- Authored a comprehensive threat analysis report detailing findings and remediation strategies.
- Tools & Technologies: AWS (IAM, CloudTrail, S3, Route53), Ubuntu, Nginx, GitHub.

Multi-Account AWS Setup with IAM Identity Centre (SSO)

- Designed and implemented AWS Organisations with IAM Identity Centre (SSO) to centralise and secure access management across multiple AWS accounts.

- Created role-based policies with mandatory Multi-Factor Authentication (MFA) for enhanced security and scalability.
- Streamlined identity governance, enabling simplified user management and auditability.

Two-Tier VPC Architecture for Healthcare Application

- Architected a secure two-tier Virtual Private Cloud (VPC) with public and private subnets to segregate application layers.
 - Configured Security Groups, Network ACLs, and custom route tables to control traffic flow and enforce security policies.
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EDUCATION & TRAINING

- MSc, Health Technology — University of the West of England, Bristol (2024)
 - AWS & DevOps Training — Real Cloud Tech (2024)
 - AWS Cloud Security & DevOps - Digital Witch Cloud Training (2025)
 - In-Demand IT Skills Training — Digital Witch Support Community (2025)
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CERTIFICATIONS (IN VIEW)

- AWS Certified Solutions Architect – Associate