

ODO KINGSLEY UCHENNA

Cloud Engineer | DevOps Engineer

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PROFESSIONAL SUMMARY

Results-driven Cloud/DevOps Engineering student with a strong foundation in building production-grade infrastructure on AWS and deploying full-scale web platforms. Expert in automating deployments using **Terraform, Docker, and GitHub Actions**. Proven ability to bridge the gap between complex infrastructure and user-facing applications, including secure payment integrations and community platforms.

TECHNICAL SKILLS

- **Cloud & IaC:** AWS (EC2, ECS Fargate, VPC, S3, ALB, ASG, IAM, DynamoDB), Terraform, Ansible, Kubernetes
- **CI/CD & Containers:** Docker, GitHub Actions (OIDC), GitLab CI, Git, GitHub
- **Networking & OS:** Linux (Ubuntu/CentOS), VPC Networking, Security Groups, DNS, HTTP/HTTPS
- **Scripting & Programming:** Bash, Python, JavaScript
- **Web & Payments:** Nginx, Apache
- **Platforms & Payments:** WordPress, WooCommerce, BuddyPress, Paystack API, SSL/TLS, DNS

CLOUD & DEVOPS PROJECTS

Automated CI/CD Pipeline: Node.js to AWS ECS Fargate

- Reduced deployment time by **80% (from 30 mins to 5 mins)** by replacing manual SSH-based workflows with a fully automated GitHub Actions pipeline.
- Eliminated security risks by implementing **OIDC authentication**, removing the need for long-lived AWS access keys in the codebase.

- Containerized applications with **Docker** to ensure 100% environment consistency between development and production.
- Designed a serverless deployment flow using **AWS ECS Fargate**, reducing server management overhead.

Production-Grade Infrastructure as Code (IaC)

- Converted manual "Click-Ops" into a **version-controlled, repeatable codebase** using Terraform.
- Designed a **High-Availability Multi-AZ VPC** with public/private subnets and NAT Gateways to ensure zero downtime during zone failures.
- Secured Terraform state files using **S3 with DynamoDB state locking**, preventing data corruption during concurrent team updates.
- Enforced security best practices, including **Bastion Hosts**, least-privilege IAM roles, and IMDSv2 enforcement.

Secure AWS Architecture with Ansible Automation

- Achieved 100% environment consistency by automating server configuration and security patching with **Ansible playbooks**.
- Built a hardened two-tier architecture, isolating backend servers from the internet and routing traffic via an **Application Load Balancer**.
- Integrated health checks and automated failover, eliminating single points of failure in the web tier.

WEB & PRODUCT DEPLOYMENTS

International Membership Platform (ultimateintlclub.org)

- Built a global social networking platform using **WordPress and BuddyPress**, unifying a scattered international membership into a single digital community.
- Configured global DNS and hosting for reliable accessibility across multiple countries.

Medical Research & E-commerce Integration (wardtoresearch.com)

- Developed a professional research portal integrated with **WooCommerce** to automate service purchases and order management.
- Implemented **SSL/TLS encryption** to secure sensitive health-related data and financial transactions.

Non-Profit Donation System (vickycarefoundation.org)

- Launched a digital fundraising channel by integrating the **Paystack API**, supporting local bank transfers and USSD payments.
- Transformed the foundation's reach from local cash-only donations to a global, secure online donor base.

EDUCATION & CERTIFICATIONS

- **Cloud Engineering Program** | Altschool Africa | Expected July 2026
 - Achieved a perfect 100/100 score in Second Semester Cloud Architecture and DevOps modules.
- **West African Senior School Certificate** | Technical College Umachi | 2024

SOFT SKILLS

Problem Solving | Attention to Detail | Clear Communication | Team Collaboration | Calm Under Pressure