

****Perpetua Ayogu****

Remote DevOps Engineer | AWS | Kubernetes | Terraform | CI/CD

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PROFESSIONAL SUMMARY

DevOps Engineer with 3+ years of hands-on experience automating and managing cloud infrastructure across AWS and Kubernetes. Skilled in Terraform, Jenkins, and Argo CD to deliver scalable, secure, and high-performing deployments. Passionate about optimizing CI/CD pipelines, improving release reliability, and driving collaboration between development and operations teams. Known for simplifying complex systems and enabling teams to move faster with fewer errors in remote, cross-functional environments.

TECHNICAL SKILLS

****Cloud Platforms:**** AWS (EKS, EC2, RDS, S3, IAM, CloudWatch), Azure, GCP

****Containers & Orchestration:**** Docker, Kubernetes, Helm, Rancher, Nginx

****Infrastructure as Code:**** Terraform, Argo CD (GitOps), Ansible, CloudFormation

****CI/CD Tools:**** Jenkins, GitHub Actions, GitLab CI, Tekton

****Monitoring & Logging:**** Prometheus, Grafana, Loki, OpenTelemetry, ELK Stack

****Security & Networking:**** IAM, VPC, TLS, HashiCorp Vault, Trivy

****Scripting:**** Bash, Python

****Version Control:**** Git, GitHub

****OS:**** Linux (Ubuntu, CentOS)

PROFESSIONAL EXPERIENCE

****DevOps Engineer****

Monodome (Remote) — July 2022 – Present

- Built and managed CI/CD pipelines with Jenkins and GitHub Actions, improving release reliability by 40%.
- Implemented Kubernetes auto-deployments on AWS EKS, cutting release times by 50%.
- Automated Terraform Cloud workflows, reducing configuration drift 100%.
- Deployed a production-grade mail server on Kubernetes using Terraform Cloud.
- Configured AWS VPCs, subnets, NAT gateways, and route tables for secure and scalable architecture.
- Adopted GitOps with Argo CD for deployment traceability and rollback efficiency (80% faster).
- Integrated Prometheus, Grafana, and OpenTelemetry for end-to-end observability (99.5% uptime).

- Strengthened security with IAM roles, VPC design, and Trivy scanning — passed all internal audits.
- Wrote DevOps documentation for Terraform and Rancher, supporting 20+ engineer onboardings.

****DevOps Engineer Intern****

Lagos, Nigeria — June 2021 – June 2022

- Containerized legacy apps with Docker, reducing manual deployment time 70%.
- Supported AWS infrastructure and managed Kubernetes clusters for 99.9% uptime.
- Automated operational tasks using Bash and Python, improving efficiency by 50%.

****Cloud Architect Apprentice****

ALX Africa (Remote) — April 2021 – September 2021

- Designed AWS architectures for high availability (99.99%) and disaster recovery.
- Optimized infrastructure cost by 25% through right-sizing and autoscaling strategies.
- Collaborated on secure, fault-tolerant cloud environments for 10+ applications.

****Community Manager Intern****

Monodome (Remote) — March 2020 – March 2021

- Increased developer engagement by 40% through CI/CD adoption initiatives.
- Facilitated collaboration between DevOps and developers, improving pipeline usage by 60%.

KEY PROJECTS

****DevOps Showcase – Cloud-Based Development Environment****

AWS EC2 | Docker | GitHub Actions | ECR | CloudFront | SSM

- Built automated cloud-native environment with Docker and CI/CD pipeline achieving 99.99% uptime.
- Implemented CloudFront CDN, ECR image management, and IAM-secured deployments.

****DevSecOps Integration****

- Embedded Trivy and Vault into CI/CD pipelines for vulnerability scanning and secrets management.
- Enhanced compliance visibility and reduced security issues by 100%.

****Cloud Cost Optimization****

- Reduced AWS costs by 35% via EC2 right-sizing, RDS tuning, and EKS autoscaling.

EDUCATION

****Bachelor of Arts in Mass Communication**** — University of Nigeria, Nsukka (2022)

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Docker & Kubernetes Engineering – Monodome
- Infrastructure as Code with Terraform – Monodome
- DevOps Foundations – KodeKloud