UKEME PETER

DevOps Engineer | AWS Cloud Engineer | Infrastructure & CI/CD

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PROFESSIONAL SUMMARY

DevOps Engineer and AWS Cloud Engineer with 4+ years of practical engineering experience across cloud infrastructure, DevOps automation, CI/CD, containerized applications, AI platforms, and production reliability.

Hands-on experience designing and maintaining AWS environments, automating infrastructure with Terraform, building CI/CD pipelines using GitHub Actions, managing Docker containers, and supporting cloud-native applications. Experienced in AWS ECS, EC2, RDS, ECR, IAM, SSM Parameter Store, Amazon Bedrock, and production troubleshooting.

Strong analytical and problem-solving skills, with experience collaborating across technical and business teams to improve infrastructure reliability, deployment efficiency, security, and scalability.

CORE COMPETENCIES

- AWS Cloud Infrastructure and Architecture
- DevOps and CI/CD Automation
- Infrastructure as Code (Terraform)
- Docker and Containerization
- Amazon ECS and Fargate
- Cloud Security and IAM
- Production Support and Incident Response
- Monitoring and Observability
- Database and Distributed Systems
- REST API Integration and Troubleshooting
- Cloud Deployment and Automation
- Networking, DNS and SSL/TLS
- Cross-functional Collaboration

TECHNICAL SKILLS

Cloud Platforms: AWS EC2, RDS, S3, IAM, VPC, ALB, ECR, ECS, EKS, SSM, CloudWatch, Amazon Bedrock.

Infrastructure as Code: Terraform, AWS CloudFormation, AWS Systems Manager Parameter Store.
DevOps and CI/CD: GitHub Actions, Jenkins, Maven, SonarQube, Nexus, deployment automation.
Containers: Docker, Kubernetes, Helm.
Programming and Backend: Python, Django, FastAPI, REST APIs, ASGI, Uvicorn, Daphne, Django Channels, Bash.
AI Infrastructure: Amazon Bedrock, Claude, LLM configuration, embeddings, AI service deployment.
Databases: PostgreSQL, Amazon RDS PostgreSQL, pgvector, Redis, Celery.
Monitoring: Prometheus, Grafana, Loki, Promtail, Sentry, structured logging and alerting.
Networking and Security: DNS, SSL/TLS, IAM, CORS, WebSockets, reverse proxies, secrets management.
Operating Systems: Linux, Ubuntu, Git, Ansible.

PROFESSIONAL EXPERIENCE

DevOps / Cloud Infrastructure Engineer
Ndara AI Technologies Ltd. — Remote | October 2025 – Present

- Design, implement, and maintain AWS cloud infrastructure supporting frontend, backend, database, and AI service workloads across development and production environments.
- Manage Infrastructure as Code using Terraform for AWS provisioning, resource management, and repeatable deployment processes.
- Implement AWS Systems Manager Parameter Store configuration through Terraform for secure application configuration and environment separation.
- Build and maintain CI/CD pipelines using GitHub Actions, Docker, and Amazon ECR.
- Support containerized application deployments using AWS ECS/Fargate and other AWS infrastructure services.
- Troubleshoot deployment failures, authentication/OIDC issues, container health checks, and infrastructure connectivity.
- Support AI workloads using Amazon Bedrock and Claude models, including model configuration and runtime troubleshooting.
- Troubleshoot production issues involving DNS, SSL/TLS certificates, Application Load Balancers, reverse proxies, WebSockets, CORS, and API routing.
- Support real-time application communication using Django Channels, ASGI/Daphne, and WebSockets.

- Manage PostgreSQL and Amazon RDS PostgreSQL environments, including pgvector-enabled workloads, migrations, and database connectivity.
- Integrate and troubleshoot Redis and Celery components supporting asynchronous workloads and shared application state.
- Implement observability practices using Prometheus, Grafana, Loki/Promtail, and Sentry.
- Perform production incident investigation and root-cause analysis across application logs, containers, AWS infrastructure, databases, networking, and CI/CD systems.
- Collaborate with frontend, backend, AI, and infrastructure teams to resolve integration issues and improve platform reliability.

Technology Stack: AWS, Terraform, Docker, GitHub Actions, ECR, ECS, Linux, Python, Django, FastAPI, PostgreSQL, RDS, Redis, Celery, Amazon Bedrock, Claude, Prometheus, Grafana, Loki, IAM, ALB, DNS, WebSockets.

AWS Cloud Engineer (Intern)
Dominion Systems — Remote | October 2022 – October 2025

- Supported DevOps and AWS cloud infrastructure operations across development and production environments.
- Implemented AWS DevOps workflows using CloudFormation, CodeCommit, CodeBuild, CodePipeline, and CloudWatch.
- Configured EC2 resources and supported compute scaling, patching, upgrades, and production infrastructure maintenance.
- Provisioned and supported relational and non-relational databases, including Oracle, PostgreSQL, DynamoDB, Aurora, and Redshift.
- Designed and maintained VPC-based networking and hybrid-cloud connectivity using Transit Gateway concepts.
- Monitored infrastructure health and investigated performance, availability, and scaling issues.
- Executed controlled production changes involving networking, IAM, and database configuration while maintaining operational stability.

Business Development Manager (Freelance / Remote)
Kent Nigeria RO Systems — Varanayam Enterprises | August 2020 – February 2024

- Led business development and digital initiatives focused on customer acquisition, partnership growth, and market expansion.
- Conducted market research and competitive analysis to identify new business opportunities.
- Developed business proposals, negotiated partnership agreements, and supported commercial growth initiatives.

- Built and maintained client relationships to improve customer satisfaction and retention.
- Created performance reports, pricing strategies, and customer feedback processes to improve service delivery.
- Supported business planning and strategic decision-making through market insights and performance analysis.

KEY TECHNICAL PROJECT EXPERIENCE

Ndara AI Platform

- AWS/Terraform infrastructure, CI/CD automation, AI service deployment, Amazon Bedrock integration, PostgreSQL/RDS, Redis, WebSockets, and observability.

AI Customer Service Platform

- FastAPI/Uvicorn AI service with containerized deployment, secure configuration, shared state, and production API troubleshooting.

Real-Time Django Platform

- Django Channels/ASGI/Daphne, WebSocket authentication, Redis-backed workloads, and production connection troubleshooting.

Cloud Delivery Automation

- GitHub Actions, Docker, Amazon ECR, Terraform, and environment-specific AWS configuration.

EDUCATION

University of Uyo, Nigeria

Bachelor of Engineering (B.Eng.) — Civil Engineering
Graduated: 2010

ADDITIONAL STRENGTHS

- Strong analytical and problem-solving background.
- Practical production troubleshooting and incident resolution experience.
- Ability to bridge business objectives and technical requirements.
- Experienced working with distributed and cross-functional teams.
- Continuous learner focused on cloud-native engineering, DevOps, AI infrastructure, and reliability.

References available upon request.