Emmanuela Opurum

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Profile Summary

Results-driven Cloud & DevOps Engineer | Solution Architect with over 8 years of experience in cloud infrastructure design, automation, and data-driven optimization. Proficient in AWS Cloud, CI/CD pipelines, Terraform, Kubernetes, and Docker. Skilled at designing secure, scalable, and cost-efficient cloud architectures while automating deployments to enhance system reliability and developer productivity. Experienced in cross-functional collaboration, monitoring, and multi-cloud optimization. Passionate about leveraging DevOps and architectural best practices to deliver resilient business solutions.

Core Competencies

Cloud & DevOps: AWS, Azure, Terraform, CloudFormation, GitHub Actions, AWS CodePipeline

Automation & IaC: Docker, Kubernetes, Helm, Bash scripting, CI/CD, Infrastructure as Code

Monitoring & Reliability: CloudWatch, Prometheus, Grafana, Cost Optimization

Architecture & Design: Cloud-Native Solutions, Serverless, Scalability, Well-Architected Framework

Collaboration Tools: Git, Jira, Confluence, Lucidchart, Draw.io

Data & Analytics: Power BI, SQL, Data Transformation, Business Intelligence

Professional Experience

Softnet Technologies Ltd – Cloud Solutions Architect / DevOps Engineer (Remote)
Mar 2020 – Present

- Designed and deployed AWS cloud infrastructures (EC2, S3, RDS, Lambda, VPC, IAM) for 25+ enterprise clients across fintech, healthcare, and retail sectors.
- Architected highly available and fault-tolerant systems leveraging auto-scaling, load balancing, and multi-region setups.
- Implemented end-to-end CI/CD pipelines using GitHub Actions and AWS CodePipeline, automating deployments to ECS and Lambda environments.
- Containerized legacy applications with Docker and orchestrated staging environments with Kubernetes and Helm.
- Led cost-optimization initiatives, reducing cloud spend by 35% through right-sizing, reserved instances, and S3 lifecycle management.
- Conducted Well-Architected Reviews, advising stakeholders on performance, security, and reliability improvements.
- Mentored junior engineers in DevOps practices, AWS security, and automation workflows.

DataStream Solutions – Cloud Analyst & Solution Design Assistant (Hybrid)
Jan 2018 – Feb 2020

- Supported cloud migration projects from on-premises to AWS, improving system performance and cutting infrastructure costs by 30%.
- Automated resource provisioning using CloudFormation and Terraform, enabling consistent environment builds.
- Created monitoring dashboards with Power BI and CloudWatch to visualize performance metrics and track SLAs.
- Collaborated in DevOps adoption workshops, integrating CI/CD and agile workflows into development cycles.
- Assisted solution architects in scaling application infrastructure and documenting design patterns for cloud services.

Project Highlights

- **CI/CD Pipeline Automation:** Built CI/CD pipelines with GitHub Actions + Docker, deploying microservices to AWS ECS.
- **Serverless Architecture:** Designed event-driven backend using AWS Lambda, S3, RDS, IAM, and API Gateway.
- **Kubernetes Deployment:** Deployed multi-tier web application on Kubernetes cluster using Helm for release management.
- **Cloud Cost Optimization:** Achieved $3,000/month cost savings through EC2 right-sizing, autoscaling, and storage lifecycle policies.

Education

Ulster University, United Kingdom
MSc International Business with Data Analytics

University of Port Harcourt, Nigeria
B.A. Communication Studies