

Ikechukwu Enumah

Senior Software Developer / DevSecOps Engineer

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PROFESSIONAL SUMMARY

I am a DevSecOps Engineer with 8+ years of hands-on experience designing, automating, and managing secure cloud infrastructures using AWS, GCP, and Azure Kubernetes. Proficient in CI/CD pipelines, infrastructure as code, cloud security practices, and scalable Kubernetes deployments. I have a proven expertise in leading and working in distributed DevOps teams, implementing automation-first workflows, and ensuring secure and reliable software delivery across global environments. My years of experience as a software architect and development engineer have been a big plus in my DevSecOps career as it helps me to support development engineers to achieve the overall project achievement.

CORE DEVSECOPS SKILLS

Cloud Platforms	AWS (EKS, ECR, EC2, S3, RDS, IAM, VPC, CloudWatch, CloudTrail, Lambda, SQS/SNS), GCP
Programming Languages	Java, Perl, JavaScript, TypeScript, Python, Bash, Shell, PHP
Security & Code Quality	SonarQube, OWASP ZAP, Snyk, IAM, ISO 27001, OWASP Top 10, NIST, CheckStyle, SpotBugs
Infrastructure as Code	Terraform, AWS CloudFormation, Ansible, Helm
CI/CD & Automation	Jenkins, GitHub Actions, GitLab CI, Serverless CDK with Java and TypeScript
Containerization	Docker, Kubernetes (GKE, EKS, AKS)
Networking	VPCs, Subnets, Routing tables, Security groups, NACLs, Route53, Load balancers
Monitoring & Logging	Prometheus, Grafana, CloudWatch, ELK Stack
Methodologies	Agile, Scrum, Shift-Left Security, DevSecOps Best Practices

PROFESSIONAL EXPERIENCE

DevSecOps Engineer

TEKsystems Global Services – Amazon | Mar 2024 – Present

- Designed and automated cloud infrastructure using AWS CloudFormation and Terraform
- Managed Serverless Infrastructure using CDK
- Implemented IAM policies, VPC configurations, and CloudWatch monitoring for secure deployments of Amazon store services
- Supported global teams in 24/7 environments, resolving critical infrastructure and deployment issues
- Maintained containerized workloads using EKS, integrated SAST/DAST tools for secure builds

DevSecOps Engineer

Alien Workspace | Mar 2023 - Mar 2024

- Built automated infrastructure for microservices on AWS using Terraform and Helm Chart
- Managed EKS clusters to maintain service availability
- Managed SonarQube, OWASP Zap, and Snyk Servers for part of the DevSecOps pipeline
- Orchestrated AWS-based DevSecOps architecture including S3, EC2, IAM, and CloudTrail
- Developed and integrated CI/CD pipelines with Jenkins for rapid releases
- Led cloud security audits and enforced policies for production GCP environments

DevOps & Cloud Infrastructure Advisor

Catholic Caritas Foundation | Oct 2022 - Mar 2023

- Managed SonarQube, Owasp Zap, and Snyk Servers for part of the DevSecOps CICD pipeline with Jenkins
- Configured Prometheus and Grafana for infrastructure monitoring and alerting on GCP
- Used Ansible for provisioning and managing Linux-based servers across cloud and hybrid deployments
- Set up Java service templates for developers with code quality check tools
- Enforced proper code documentation using OpenAPI swagger plugin and JavaDoc

Senior DevOps Engineer

Catholic Caritas Foundation | Oct 2021 - Sep 2022

- Led transition to infrastructure as code using Ansible and CloudFormation
- Deployed containerized microservices to Kubernetes and automated deployments with Jenkins
- Managed secrets, roles, and policies with AWS IAM and SSM

DevOps Engineer

Catholic Caritas Foundation | May 2016 - Sep 2021

- Redesigned legacy systems into microservices using Docker and SpringBoot
- Built DevSecOps pipelines incorporating Git, Jenkins, SonarQube, and Snyk for Central data repository microservices
- Built a data ETL pipeline synchronization of patients' data from different health facilities to a Central Data Repository
- Set up automated testing and deployment pipelines for the national health IT infrastructure
- Managed EC2 instance and CICD pipeline for organization's ERP

KEY PROJECTS & CONTRIBUTIONS

C/CD Pipeline Automation for Global Product Team

Technologies: Jenkins, Helm, Terraform, EKS/GKE

AWS Infrastructure as Code Deployment

Technologies: EC2, VPC, S3, CloudFormation, IAM

GKE-Powered Analytics Platform

Technologies: Terraform, PubSub, BigQuery, Prometheus

DevSecOps Pipeline Integration

Technologies: Jenkins, GitHub Actions, Snyk, SonarQube, ZAP

Hybrid Cloud ERP System

Technologies: Kubernetes, Ansible, Docker, PostgreSQL, SpringBoot

Cloud Migration & Cost Optimization

Technologies: GCP, AWS, Cost Analysis, Performance Optimization

EDUCATION

MSc Cyber Security

University of Wolverhampton | 2023 – 2024

MSc Data Science

Edinburgh Napier University | 2020 – 2023

BEng Computer Science and Engineering

Enugu State University | 2010 – 2015

CERTIFICATIONS & TRAINING

- AWS DevOps Engineer Certification (In Progress)
- Terraform on AWS - Infrastructure as Code (HashiCorp)
- Kubernetes for DevOps Engineers - Container Orchestration (CNCF)
- Cyber Essentials (Cyber Quarters, Dec 2023)

Additional Training & Courses:

Complete Jenkins CI/CD Pipeline	DevSecOps Essentials
Agile Project Management	UML and Object-Oriented Design
Lambdas in Java	Redis & Spring WebFlux
Spring Boot Testing with JUnit 5	Web Application with Spring Boot and Angular
MongoDB Complete Developer Course	DevOps Beginner to Advanced
Java 17 Masterclass	Java Data Structure and Algorithm
Building Microservices with Spring Boot	Complete React Course
Git Course	Apache Kafka Connect