

Emmanuel Tyokura

DevOps Engineer

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Professional Profile

Results-driven DevOps engineer with extensive experience in both cloud and on-premises infrastructure design, migration, monitoring, and securing LAMP, CI/CD pipeline design, and software development. Skilled in project management, team leadership, and network coordination to deliver innovative and efficient solutions. Proficient in a wide range of tools including AWS cloud platform (PAAS & SAAS), Azure cloud (Azure DevOps), Ansible, Docker, Jenkins, Kubernetes, Terraform, and Linux. Strong knowledge of infrastructure-as-code, source code management, and monitoring tools. Experienced in automating processes, ensuring security, resilience, and disaster recovery. Excellent communication and interpersonal skills. Committed to continuous learning and adapting to new technologies to drive innovation and growth.

Skills

CI/CD pipeline design, Software development, Quality Control, Designing and architecting cloud infrastructure, Project management, Team effectiveness, Proficiency in coordinating networks, Innovation and creativity, Software solutions, Excellent interpersonal and communication skills, Team management and leadership, Collaborative and solution-oriented, Deployment cloud automation strategy, Security, Resilience, Disaster recovery and scalability, Microservices architecture deployment, Knowledge of infrastructure-as-code tools, Source code management and version control systems, Experience in automating processes, Database administration, Experience with using monitoring tools, Stakeholder management, Attention to Detail, Critical Thinking, Continuous Learning, Time Management, Ethics, Stress Management, Adaptability.

Tools

Azure DevOps, AWS, Ansible, Docker, CI/CD, Jenkins, Kubernetes, Terraform (IaC), ARM Templates, Argo CD, Git, Bitbucket, Jira, GitHub, SonarQube, Maven, Apache Tomcat, Nagios, Vagrant, VMware, Python/Shell Scripts, ELK Stack, Linux.

Professional Experience

Newworks Solutions

Lagos, Nigeria

Lead DevOps Engineer

Feb. 2020 - Present

- Automated deployment processes by creating Terraform modules and using tools such as Ansible and Jenkins, resulting in a 70% decrease in deployment times across multiple environments, increasing team efficiency.
- Devised and executed a plan to transition legacy applications to a Kubernetes-based platform, leading to a 40% reduction in infrastructure costs and a 75% decrease in deployment time.
- Established a new AWS infrastructure using EC2 and RDS, resulting in a 30% decrease in server expenses and a 25% enhancement in system reliability.
- Implemented CloudFormation templates to provision infrastructure for over 50 micro-services reducing manual intervention by 80%, resulting in a 90% reduction in errors.
- Developed and implemented a CI/CD pipeline for a large-scale Java software project, reducing deployment time and minimizing the number of release failures.
- Automated deployment pipelines through Docker and Kubernetes, diminishing manual intervention and enabling the team to release new features on a weekly basis instead of biweekly.
- Spearheaded the implementation of the Kubernetes operator framework for scaling database clusters, resulting in enhanced performance and decreased downtime during peak traffic periods.
- Implemented Infrastructure as Code (IaC) principles to minimize manual configuration efforts, leading to more dependable infrastructure and enabling faster scaling.
- Provided training and mentorship to over 15 new hires, delivering practical guidance and support to foster their professional development, resulting in an overall decrease in errors.

Socketworks

System Administrator & DevOps Engineer

Lagos, Nigeria

Jan. 2016 - Jan. 2020

- Developed and implemented a CI/CD pipeline using Cope Pipeline, which reduced deployment time by 60% and increased release frequency by 50%.
- Developed a self-healing infrastructure using Kubernetes and Docker, reducing the need for manual intervention during outages by over 80%.
- Successfully migrated a legacy app to AWS, configuring EC2 instances with Auto Scaling and EBS volumes for high availability, achieving 99.99% uptime and reducing downtime incidents by 40%.
- Created dependable RDS database clusters with read replicas across availability zones, utilizing VPC, Route53, and Elastic Load Balancer for improved scalability and reduced latency.
- Devised and executed a disaster recovery plan using Infrastructure as Code (IaC) tools, significantly reducing the recovery time objective (RTO) from days to minutes, ensuring an uptime guarantee.

Education

National Center for Technology Management, Lagos, Nigeria	Jan. 2020
PGD In Technology Management	
Federal University of Agriculture Makurdi, Nigeria	Jan. 2010
B.Eng. Electrical/Electronic Engineering	