

AIFONCE MORARA

DEVOPS ENGINEER

Professional Summary

Motivated and fast-learning Junior DevOps Engineer with a solid foundation in Linux systems, cloud platforms, and infrastructure automation. Experienced in setting up basic monitoring solutions using tools like Prometheus and Grafana, and assisting in troubleshooting infrastructure issues. Familiar with scripting in Python and Bash, version control with Git, and implementing security best practices. Eager to grow in cloud computing, CI/CD, and system reliability while contributing to collaborative, Agile-driven environments.

Work Experience

AWS Cloud Practitioner Trainee, eMobilis Technology Training Institute , Nairobi

05/2024 - 08/2024

- Designed and deployed scalable, secure, and highly available infrastructure on AWS using services like EC2, S3, VPC, and IAM, laying the foundation for cloud-native applications.
- Implemented Infrastructure as Code (IaC) using **Terraform** to automate the provisioning and management of cloud infrastructure, ensuring consistency and reducing manual configuration errors.
- Developed and optimized **CI/CD pipelines** using AWS CodePipeline, CodeBuild, and CodeDeploy, streamlining application deployment workflows and reducing downtime during updates.
- Configured **monitoring and alerting systems** with **Amazon CloudWatch** and integrated log management tools for system performance visibility and proactive incident detection.
- Applied security best practices by configuring IAM roles, policies, and network access controls, and incorporated vulnerability scanning within CI/CD pipelines to ensure infrastructure compliance.
- Automated routine operational tasks and deployment scripts using **Bash** and **Python**, improving deployment efficiency and minimizing human intervention.
- Collaborated with cross-functional teams to troubleshoot deployment issues and optimize system performance, ensuring a smooth transition of applications to production environments.
- Gained hands-on exposure to **containerization using Docker**, understanding container lifecycle management, and deploying containerized applications within cloud infrastructure.

Information Technology Trainee, Isuzu East Africa Limited, Nairobi

05/2023 - 08/2023

- Assisted in the administration and maintenance of enterprise servers, performing regular performance monitoring, backups, and troubleshooting server-related issues to ensure system reliability.
- Supported Cisco network infrastructure by configuring devices, monitoring network traffic, and implementing security protocols, maintaining seamless connectivity across manufacturing plants, warehouses, and offices.
- Contributed to the maintenance and optimization of the company's Enterprise Resource Planning (ERP) system, assisting in issue resolution, system customization, and ensuring operational continuity.



Personal Details

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Certifications

AWS Cloud Practitioner, eMobilis Technology Training Institute

05/2024 - 08/2024

Full-Stack Software Engi- neering , ALX Africa

03/2023 - 03/2024

Professionals certificate, ALX AFRICA

08/2024 - 09/2024

Cisco Networking Essen- tials, Isuzu East Africa In-house Training

05/2024 - 08/2024

References

Stellah Rotich from Senior ICT Officer, Bomet County

cstellahrotich@gmail.com |

0716743342

Vilma Jimmy Mwangi ,Technical Business Ana- lyst from Isuzu East Africa

vilmajimmymwangi@gmail.com |

0728117869

Links

Linked In

- Provided support for SAP and SAP S/4HANA environments through system configurations, data migrations, and end-user training, helping improve business process efficiency and operational insights.

Full-Stack Developer (Apprenticeship), ALX AFRICA, Nairobi

03/2023 - 03/2024

- Developed and deployed full-stack web applications using the MERN stack (MongoDB, Express.js, React, Node.js), showcasing strong skills in both front-end and back-end technologies.
- Maintained high code quality by adhering to industry best practices in coding standards, version control (Git), and continuous integration workflows.
- Diagnosed and resolved complex software bugs and performance issues, improving application robustness, scalability, and user experience.
- Delivered technical presentations and conducted code reviews, fostering knowledge sharing and collaboration within Agile development teams.

Education

BSC. IN MATHEMATICS & COMPUTER SCIENCE ,
Kirinyaga University, Kerugoya

09/2020 - 09/2024

My student phase in computer scvience helped me to know the in-depth learnt and I developed passion in cloud computing where I began my career path to cloud devops.

SOFTWARE ENGINEERING , Holberton School, Nairobi

03/2023 - 03/2024

ALX AFRICA – Back-End specialization online bootcamp.

Accomplishments

Trainee, Nairobi

03/2023 - 09/2024

- **Engineered** and deployed multiple full-stack web applications using the MERN stack, improving system reliability and reducing bug reports by **30%**.
- **Implemented** a scalable, secure AWS cloud infrastructure, increasing system uptime by **20%** and reducing operational overhead by optimizing resource usage.
- **Automated** server monitoring and backup procedures at Isuzu East Africa, cutting downtime incidents by **25%** and enhancing data protection.
- **Designed** and maintained CI/CD pipelines, accelerating deployment cycles by **40%** and ensuring faster delivery of application updates.
- **Strengthened** cloud security by enforcing IAM best practices, encryption protocols, and security group configurations, reducing vulnerabilities by **35%** during internal audits.

AWS Cloud DevOps

Project: Cloud Infrastructure Optimization & CI/CD Pipeline Automation,
Nairobi

08/2024 - 04/2025

Designed and implemented scalable AWS cloud infrastructure using EC2, S3, RDS, and Terraform, automating CI/CD pipelines with git hub actions and Docker.

GitHub

Skills

AWS (EC2, S3, VPC, IAM, Cloud-Watch, CodeDeploy, CodePipeline)

Terraform

CI/CD Pipeline Development

Linux Server Administration

Docker

Infrastructure as Code (IaC)

Bash & Python Scripting

Monitoring & Alerting (Prometheus, Grafana, CloudWatch)

Git & Version Control

Problem-Solving & Troubleshooting

Languages

English

Swahili