MOISE IRADUKUNDA INGABIRE

mii@andrew.cmu.edu | moiseiradukundaingabire@gmail.com
(+250) 788 953 092
www.linkedin.com/in/moise-iradukunda-ingabire

EDUCATION

Masters of Science in Information Technology   **August 2024 - May 2026**
Carnegie Mellon University, Africa
Specializations: Cybersecurity and Artificial Intelligence

Bachelor of Science in Information Technology   **May 2021 - November 2024**
Adventist University of Central Africa, Kigali, Rwanda
Specializations: Networks & Communication Systems

WORK EXPERIENCE

Teaching Assistant   **January 2023 - December 2024**
ALX Academy
- Developed and delivered course materials on AWS, cloud architecture, and best practices for cloud security.
- Mentored students in hands-on labs, helping them build and deploy cloud-based applications.

DevOps Engineer   **March 2025 - Present**
SOLV
- Managing CI/CD, Kubernetes, AWS infrastructure, and secure deployments with Terraform, GitHub Actions, and Docker.

PROFESSIONAL EXPERIENCE

Internship   **January 2023 - December 2024**
Rwanda Internet Community & Technology Alliance (RICTA) LTD, Kigali.
- Monitored and troubleshot technical issues for clients.
- Developed a solid understanding of RINEX operations and the management of Rwanda's country code top-level domain (.rw).
- Managed and configured core network devices, including switches, routers, and wireless access points, to optimize connectivity and performance.
- Configured VLANs on Cisco switches to segment network traffic, ensuring efficient data transfer and security.
- Automated backup processes to safeguard critical data and improve disaster recovery readiness.
- Enhanced IT security through firewall configurations, VPN implementations, and proactive system monitoring.
- Installed and maintained virtualized environments using Proxmox and implemented RAID configurations for data redundancy.
- Deployed Nagios for real-time infrastructure monitoring, ensuring system reliability and proactive issue resolution.
- Conducted training sessions on VPN usage and troubleshooting, enhancing user productivity and network security awareness.

SUMMARY

Dynamic DevOps Engineer with expertise in Kubernetes, AWS, and Infrastructure as Code (IaC). Skilled in designing highly available cloud-native architectures, managing CI/CD pipelines, and automating cloud deployments. Proficient in Docker, Helm, Terraform, and GitHub Actions for scalable, efficient DevOps solutions. Strong experience in monitoring tools like Prometheus, Grafana, and New Relic to enhance observability and system reliability.

PROJECT WORK

Cloud-Native Microservices Deployment   **January 2024 - Present**
- Tools & Techniques: AWS EKS, Terraform, Helm, Kubernetes, Docker, GitHub Actions.
- Set up Kubernetes clusters on AWS EKS, deployed microservices using Helm charts.
- Implemented AWS ALB (Ingress Controller) for traffic routing & high availability.

- Designed and implemented security monitoring solutions, leveraging Security Onion for threat detection and forensic analysis of intrusion attempts.
- Configured Kubernetes HPA (Horizontal Pod Autoscaler) for dynamic workload scaling.
- ***CI/CD Pipeline for Microservices***
- Tools & Concepts: GitHub Actions, Docker, Kubernetes, Jenkins.
- Built a GitHub Actions workflow to automate Docker builds and push images to DockerHub.
- Configured ArgoCD for GitOps-based deployments to EKS clusters.
- Implemented canary releases and blue-green deployments using Istio service mesh

CERTIFICATIONS

DevOps Practitioner - Advanced Hands-On Linux for DevOps and Cloud Engineers (EC-Council).
Terraform (IaC Tool) - Advanced GoSkills.com Terraform Certification.
Cloud Computing - Advanced AWS Certified Solutions Architect - Associate.
Network Engineering - Cisco Certified Network Security Cisco Networking Essentials.
Cybersecurity - Intermediate Cisco Introduction to Cybersecurity.
Linux Administration - Advanced NDG Linux Essentials Certification.
Project Management (Trello) - Intermediate **SKILLS**.
2021- 2024.
Infrastructure Monitoring: Fluent Bit, Prometheus, Grafana, New Relic, Zipkin.
Virtualization Platforms: Proxmox, VMware, VirtualBox.
Networking & Security: VLAN Configuration, DHCP, DNS.
Cloud Platforms: AWS Security Groups, Istio mTLS, Keycloak, VPN, VLANs, DNSSEC.
Scripting: Bash, Python.
Version Control: Git, GitHub Actions.

INTERESTS & PROFESSIONAL ONLINE VISIBILITY

Interests.
- Swimming.
- Basketball.
- Reading Books.
- Listening to Podcasts.

Visibility.
- LinkedIn Link: www.linkedin.com/in/moise-iradukunda-ingabire.
- GitHub Link: www.github.com/1moses1.
- Portfolio Link: tinyurl.com/moise-iradukunda.