

MERCY JEPKOSGEI

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Professional Objective

Results-Driven Cloud and DevOps Engineer with extensive experience in architecting, deploying, and managing cloud solutions across AWS, Azure, and Huawei platforms. Experienced with automating infrastructure with Terraform and CloudFormation to enhance scalability and operational efficiency. Passionate about building robust, high-performing cloud environments that drive business growth.

Key Skills

- **Cloud Platforms:** AWS, Azure, Huawei, GCP
- **Infrastructure as Code (IaC):** Terraform, CloudFormation, Ansible
- **Containerization & Orchestration:** Docker, Kubernetes, ECS, EKS
- **CI/CD Tools:** GitHub Actions, GitLab CI, Jenkins CI, Code Pipeline
- **Monitoring and Logging:** CloudWatch, Prometheus, Grafana
- **Database:** MySQL, Mongo DB, DynamoDB, RDS
- **Automation:** Bash, Python
- **Soft Skills:** Analytical problem-solving, effective communication, teamwork and collaboration, time management

Professional Experience

Cloud Engineer

Dec 2024 – Jan 2025

E&M Technologies

- Designed, implemented, and maintained CI/CD pipelines for automated testing, building, and deployment in AWS or Azure.
- Wrote and managed infrastructure code using Terraform, AWS CloudFormation, or Ansible.
- Implemented logging and monitoring solutions using Prometheus, Grafana, and CloudWatch tools.
- Used configuration management tools (e.g., Chef, Puppet, Ansible) to maintain consistency across environments.
- Worked closely with software development teams to streamline development workflows.
- Managed and enforced version control practices, using tools like Git, to track code changes in applications and infrastructure code.

Business System Analyst
Kenya Revenue Authority

Dec 2023 – Nov 2024

- Engineered 20+ Python-based automation scripts, streamlining report generation and resulting in a 50% increase in operational efficiency.
- Authored and implemented over 300 SQL scripts within six months, resolving common customer issues with precision.
- Applied critical problem-solving techniques to address and resolve 200+ customer tickets, ensuring swift and accurate solutions.

Cloud Practitioner Trainee

AWS RE/START PROGRAM (eMobilis)

Jan 2023 – April 2023

- Optimized Amazon S3 with lifecycle policies and cross-region replication for cost efficiency.
- Deployed Amazon RDS with automated backups and performance tuning for reliability.
- Managed Amazon EC2 instances with custom security groups and load balancers for scalability.

Education

BSc. Information Technology (Second Class Honors - Upper Division)

Masinde Muliro University of Science and Technology

Sept 2017 – Mar 2022

Projects

Containerized Application Deployment in AWS:

- Deploying Equity Leadership Program application to AWS using ECS, Docker and automated CI/CD with GitHub Actions and monitored service health using CloudWatch.
- Link: [Container Deployment](#)

AWS Infrastructure Automation with Terraform, Django app deployment Using Ansible:

- Deployed infrastructure in AWS using Terraform to create all the required AWS resources i.e EC2 Server, Security Group and IAM role.
- Used Ansible to deploy the app to the EC2 Server, setup Prometheus and Grafana for Monitoring and logging
- Link: [Infrastructure Deployment](#)

Certifications

- AWS Certified Cloud Practitioner: AWS
- Azure Administrator Associate: Azure
- Google IT Automation with Python: Google Coursera
- HCIA-Cloud Service: Huawei
- Cisco Networking Essentials: Cisco
- Diploma in DevOps Engineering: Kubernetes, Docker and Google Cloud: Google
- AWS Solution Architect : AWS (ongoing)