PAUL ASINGO

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LinkedIn | GitHub

Education

Machakos University, Kenya — B.Sc. Cloud Computing & Information Security

2021 – 2025 (Final Year, awaiting degree certificate)

High School Certificate — Kenya Certificate of Secondary Education (KCSE)

Year Completed: [Insert Year]

Professional Experience

AWS Cloud Engineer (Intern) | May 2024 – Sep 2024

- Automated deployment of AWS resources, reducing provisioning from 1 hr $\rightarrow$ 10 min.

- Optimized AWS environments, cutting monthly costs by 18% while maintaining 99.9% uptime.

- Built & maintained CI/CD pipelines for zero-downtime deployments.

Cloud Engineer | Solutions Architect (Freelance / Open Source)

- Designed and deployed secure, scalable AWS architectures for multi-tier applications.

- Built Terraform-based Infrastructure as Code for 100% repeatable deployments.

- Migrated production MySQL databases from EC2 $\rightarrow$ RDS with minimal downtime.

Projects

Insight-Agent – AI-Powered Text Analysis API (2025)

- Developed Flask-based REST API with structured JSON I/O, deployed on AWS App Runner.

- Integrated Supabase for real-time storage & synchronization.

Portfolio Deployment – AWS Elastic Beanstalk

- Automated CI/CD with GitHub Actions, reducing release cycles significantly.

Certifications

AWS Certified Cloud Practitioner (2025)

Skills

Cloud Platforms: AWS (EC2, S3, RDS, Lambda, ECS/EKS, IAM, VPC)

Infrastructure as Code: Terraform

CI/CD: GitHub Actions, Jenkins

Containers: Docker, Kubernetes

Programming: Python, Bash

Monitoring & Security: Prometheus, Grafana, AWS Security Hub, GuardDuty

References

1. Dr. [Lecturer's Name], Senior Lecturer, Machakos University Email: [lecturer email] | Phone: [lecturer phone]

2. [Supervisor's Name], AWS Cloud Engineer (Internship Supervisor) Email: [supervisor email] | Phone: [supervisor phone]