

JEFF MBITA

CLOUD ENGINEER

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SUMMARY

Cloud Engineer skilled in designing and deploying AWS-based architectures with a strong focus on automation, security, and scalability. Experienced in building microservices, CI/CD pipelines, and cloud-native applications using AWS, Docker, and Terraform. Passionate about optimizing cloud solutions to drive business growth and innovation. Certified in Aws cloud technologies and IBM, with a strong passion for learning and solving technical challenges.

SKILLS

- Cloud Platforms: AWS (Lambda, RDS, S3, EC2, VPC)
- DevOps Tools: Docker, Kubernetes, Terraform, Git, Github, AWS CodePipeline, SQL Server Management Studio (SSMS)
- Programming Languages: Python, Bash, SQL.
- Networking & Security: VPN, Direct Connect, Load Balancing, IDS/IPS, Firewall
- Soft skills: Communication, Problem-solving, Team Collaboration, Time management, Adaptability, Creativity

PROFESSIONAL EXPERIENCE

E & M Technology, Cloud & Devops Engineer

Nairobi, Kenya.

Nov 2024 - Feb 2025

- Developed a Contract Management Application, reducing contract processing time by 30% and enhancing document security through robust encryption.
- Built scalable cloud infrastructure using AWS services (ECS, ECR & ALB), improving system uptime to 99.9%.
- Streamlined deployment workflows by implementing CI/CD pipelines, cutting deployment time by 50%.
- Integrated CRM functionalities, increasing team productivity by 20% through improved contract tracking and collaboration.
- Conducted regular performance optimization, ensuring application response times under 2 seconds.

Freelance Cloud Engineer

Nairobi, City

May 2024 – Nov 2024

- Delivered scalable and secure cloud solutions for clients across various industries, enhancing system reliability and reducing operational costs.
- Key achievements:

- Migrated Andy's Car Auction business operations to AWS, enabling 24/7 online auction access, improving customer reach by 30%, and ensuring operational continuity during lockdowns.
- Integrated ML-powered OCR for AcadeML, improving academic document processing by 25%.
- Built a real-time inventory management system for a small business, increasing stock tracking accuracy by 35%.

Electrical & Control intern

Kenya power (KPLC) Eldoret, Kenya

May 2023 - Sept 2023

- Worked with multiple teams across electrical plant, protection, and distribution departments, enhancing skills in communication and teamwork crucial for cross-functional projects in cloud engineering
- Diagnosed and resolved faults in 50+ transformers and electrical systems, a skill transferable to troubleshooting cloud infrastructure and improving system resilience in AWS environment.

EDUCATIONAL BACKGROUND

Software Engineering - Power learn Project Africa

2024 - 2025

- Selected for the Power Learn Project (PLP) Software Engineering Scholarship, an intensive program focused on full-stack web development using the MERN stack (MongoDB, Express.js, React, Node.js).
- Gained hands-on experience in backend development, RESTful APIs, and database management.
- Learned Python and modern web technologies to build scalable applications.
- Developed an understanding of startup culture, product development, and software deployment strategies.
- Built end-to-end web applications and integrated cloud-based solutions.

AWS Restart Graduate – Ajira Africa

Jan 2024 – April 2024

- Completed a 12 weeks intensive program covering core AWS services, Linux fundamentals, Python Programming and System administration.
- Gained hands-on experience in deploying and managing cloud solutions using best practices.

Bsc. Control engineering – Multimedia University of Kenya

Sept 2019 – Oct 2023

ADDITIONAL INFORMATION

CERTIFICATIONS

- AWS Well-architected Proficient (2025)
- AWS Educate Cloud 101 (2025)
- AWS Educate Generative AI (2025)

- IBM Full stack Web fundamental (2025)
- IBM Cybersecurity Fundamentals (2024)
- AWS Solutions architect Associate – Udemy (2024)
- AWS Certified Cloud Practitioner (2024)
- AWS Re/start Program Graduate (2024)
- Pipeline Builder – AWS Cloud Academy (2024)
- AICE Career Essentials (2024) - ALX Africa

PROJECTS

Andy's Car Auction Migration into AWS Cloud

- Led the migration of Andy's Auctions' systems to AWS, including setting up EC2, RDS, and VPC for secure website hosting and database management. Utilized AWS Database Migration Service (DMS) to transfer and validate the database, ensuring data integrity and availability across cloud instances. Applied the AWS Well-Architected Framework to optimize security, performance, and cost-efficiency, supporting the business's digital transformation and growth.

Coffee Suppliers App

- Developed a CRUD application using Express.js and MySQL to manage supplier information for a coffee business. Led the cloud adoption process, deploying the application on AWS for scalable and reliable operations. Configured environment variables for flexible database connections and optimized database schema for efficient data management.

VOLUNTEER

CloudmyTribe Cloud Community – SMM & Project lead

June 2024 - Present

- Coordinated upcoming events in the community.
- Used social media to involve community members in the most recent things about cloud technologies.