

Charles Mbillo

DevOps-aware Full-Stack Developer | Certified Cloud Practitioner | IT Consultant

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Professional Summary

DevOps-aware Full-Stack Developer and Certified Cloud Practitioner with 3+ years of experience building and deploying scalable web, mobile, and cloud solutions. Expertise in end-to-end project execution, optimizing performance, security, and efficiency. Focus on delivering accessible and impactful solutions for emerging markets, even under resource constraints.

Professional Experience

Education

Certified Cloud Practitioner, AWS Re/Start AWS - AjiraEmobilis https://bit.ly/3XK5hz	09/2024 - 12/2024 Nairobi, Kenya
Software Development , Software Engineering PLP ACADEMY https://powerlearnprojectafrica.org/	02/2023 - 12/2023 Nairobi, Kenya
Information Technology , Information Technology (Diploma) Government Training Institute (G.T.I.)-EMBU	05/2006 - 08/2008 Embu, Kenya
Robotics , Robotics Blis Global	03/2025 - Jan 2026 Nairobi, Kenya
Multi-disciplinary approach: Mechanical, Electrical, Electronics Applied Mathematics, Computer Science and AI to Design and develop both human-like and industrial robots. Supply energy to robots for intended movements. Programming robots, robotics design, prototype manufacturing and simulation. LEGO, Arduino, Raspberry Pi, Sensors, I.o.T. & AI	
Product Management , Product Management	04/2025 - Jan 2026 Nairobi

Skills

Programming Languages	
Python	JavaScript/TypeScript R
Frontend Development	
React	Angular Vue.js HTML5/CSS3 Responsive Design Web Accessibility JavaScript Testing Frameworks
Backend Development	
Node.js	Django/Flask RESTful API Design Microservices Architecture Database Design
DevOps	
CI/CD Pipelines (Github Actions)	Containerization (Docker, Kubbernetes)) Infrastructure as Code (Terraform)
Cloud Platforms (AWS/Openstack)	Monitoring and Logging Linux Administration Scripting (bash, jason, yaml)
Databases & Data Analysis	
mySQL	NoSQL(dynamoDB) Database Optimization Data Modeling MongoDB(hybrid) Postgresql(hybrid)

Supabase Excel Power BI KoboCollect/ODK

Software Engineering Practices

Agile/Scrum Test Driven Development Version Control Code Review Design Patterns ITIL

Soft Skills/Other

Communication Problem Collaboration Time Management Analytical Skills Adaptability Security best practices