

Mbugua Maxwell

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Computer Science student awaiting official graduation with a strong foundation in programming, cloud computing, and DevOps practices. I bring hands-on experience in containerization, CI/CD pipelines, and infrastructure as code, alongside practical skills in IT support and troubleshooting. I'm adept at resolving technical issues, supporting system users, and improving operational workflows. A collaborative and solutions-driven individual, I'm passionate about system reliability, cloud technologies, and continuous learning eager to apply and grow these skills in a dynamic, real-world environment.

Education

Bachelor of Science in Computer Science

Karatina University – Nyeri, Kenya

Completed Studies: April 2025 | *Awaiting Graduation (September 2025)*

Focus areas: Software Development, DevOps, Cloud Infrastructure, Networking

Technical Skills

DevOps & Cloud Tools: Docker, Kubernetes, Jenkins, Git, GitHub, GitLab, Terraform, AWS, Azure, CI/CD practices

Programming & Scripting: Python, GO, Bash, JavaScript (React), PowerShell (basic)

Monitoring & Logging: Prometheus, Grafana (basic)

IT Support & Systems: User support, hardware/software troubleshooting, system upgrades

Networking: TCP/IP, DNS, Load Balancing

Soft Skills

- Analytical thinking & problem-solving
- Adaptability & continuous learning
- Collaboration & teamwork
- Attention to detail
- Time management & organization

Professional Experience

IT Support Intern

State Law Office – Nairobi, Kenya

May 2024 – Aug 2024

- Delivered first-line technical support for 100+ users, resolving hardware, software, and network issues.
- Assisted in user account management, email configuration, and IT system permissions.
- Participated in upgrading office systems and provided technical input during infrastructure changes.

- Documented support cases and developed basic automation scripts to improve efficiency.

Freelance Developer & DevOps Support

Remote

2022 – Present

- Designed and deployed responsive web apps using Python, React, HTML, and CSS.
- Built CI/CD pipelines for deployment automation and source control using GitHub Actions and Jenkins.
- Consulted on DevOps setups including basic cloud deployment, monitoring, and container orchestration.
- Created Python and Bash scripts for client-side automation and repetitive task handling.

Projects

Multi-Cloud Application Deployment

- **Goal:** Deploy a scalable web app across AWS and Azure with automation.
- **Tools:** Terraform, Docker, Kubernetes, Jenkins, GitHub Actions
- Provisioned infrastructure using Terraform on both clouds.
- Containerized and deployed app via Kubernetes; implemented automated CI/CD pipeline.
- Configured load balancing and set up basic monitoring for availability.

Nadventures Tour & Travel Company Website

- **Goal:** Create an engaging and mobile-friendly website to boost online visibility, attract clients, and simplify inquiries for a growing travel business.
- **Tools:** HTML, CSS, React.js, Python, Django
- Designed and developed a dynamic, responsive website showcasing tour packages, destination galleries, and contact forms.
- Integrated interactive maps, inquiry forms, and a booking interest capture feature to streamline client engagement.
- **Impact:** Increased the company's online inquiries by over 40% within the first 3 months of launch and contributed to a 25% growth in monthly bookings through improved user experience and better information accessibility.

Certifications

- AWS Certified Cloud Practitioner
- DevOps Fundamentals – DevOps Institute
- Introduction to Kubernetes – The Linux Foundation
- Introduction to Power BI – Coursera