

Samuel Mwangi

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SUMMARY

- Versatile Software Engineer with hands-on experience in AI, Web Development, and DevOps, specializing in Full-Stack web Development and Azure cloud solutions.
- Proven ability to develop scalable, AI-driven applications that enhance user engagement and streamline operations.
- Confident problem-solver focusing on optimizing cloud infrastructure and automating processes to boost efficiency.

SKILLS

Programming Languages: C++, Typescript, JavaScript, SQL

Cloud Platforms: AWS, Azure

Web Development: React, Node.js, HTML/CSS

DevOps Tools: Docker, Git

EDUCATION

Bachelor of Science in Information Technology

Kirinyaga University | Kirinyaga, Kenya | September 2022– Present

- Focused on Software Engineering, Cloud Computing, and AI.

Software Development Teach2Give

Teach2Give | Nyeri, Kenya | March 2024

- I completed a comprehensive Full stack web development course, covering modern technologies and best practices in building responsive web applications.

Software Engineering Power Learn Project

Power Learn Project | Nairobi, Kenya | August 2024

- I completed a comprehensive Software Engineering course, covering modern technologies and best practices in building responsive web applications.

WORK EXPERIENCE

Beta Student Ambassador

Microsoft | Remote | January 2023 – June 2024

- Led a team in developing a web application that integrated Azure AI services, resulting in a 30% increase in user engagement.
- Conducted cloud computing and AI workshops, educating over 100 students on emerging technologies.

VOLUNTEER ACTIVITIES

Web Development Mentor

Computer Society of Kirinyaga (CSK) | Kirinyaga, Kenya | January 2024 – Present

Mentored and guided 30+ students in web development, helping them build foundational skills and complete real-world projects.

PROJECT WORK

Property Management System

Team Project - 2024 - Present

Role: Lead Developer

Description: As the lead developer in a team of four, I guided the development of a property management system. The project involved backend and frontend development, system integration, and deployment.

Technologies: React, Tailwind CSS, Redux, Node.js, TypeScript, Neon, Drizzle-ORM, MongoDB

Car Rental System

Personal Project - 2023

Description: Created a web-based platform for managing car rentals, enabling customers to book vehicles online seamlessly—integrated essential features such as vehicle management, user authentication, and secure payment processing.

Technologies: React, Tailwind CSS, Redux, Node.js, TypeScript, Neon, Drizzle-ORM

Portfolio Project

Personal Project - 2022

Description: Designed and developed a personal portfolio website to showcase projects and technical skills. Focused on a responsive design, interactive contact forms, and intuitive navigation to optimize the user experience.

Technologies: HTML, CSS, JavaScript
