Irene Musau

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SOFTWARE ENGINEER<FULL_STACK_DEVELOPER>

Experienced in JavaScript (React, Node.js) and Python, with a strong foundation in HTML, CSS, ES6, and databases (MongoDB, PostgreSQL, MySQL). Possess expertise in both front-end and back-end development, enabling startups and organizations to build scalable, user-friendly applications that enhance customer engagement and operational efficiency. Dedicated to solving complex challenges with modern frameworks, cloud technologies, and database optimization, ensuring impactful results.

TECHNICAL SKILLS

Programming: Python (Flask), JavaScript, SQL, HTML, CSS
Frameworks/Libraries: Flask, React.js, Node.js, Express.js, Bootstrap
Databases: PostgreSQL, MySQL, SQLite, MongoDB
Tools/Technologies: Git, GitHub, Visual Studio Code, Postman
Soft Skills: Team building, time management, problem-solving, adaptability, communication

TECHNICAL PROJECTS

Book-A-Room: Contributed to a React.js and TypeScript application for booking meeting rooms, implementing real-time availability updates and intuitive navigation.

Book-A-Meal: Collaborated on a meal ordering platform using HTML5, CSS3, JavaScript, and Python (Flask), developing dynamic menus and secure order processing.

Gym Management System: Built a comprehensive system to oversee gym operations, including member management and class scheduling, improving administrative efficiency.

Car Rental Service Application: Developed a platform for managing car rentals, featuring vehicle listings, booking management, and user authentication to streamline rental processes.

EXPERIENCE

Intern at Kenya Airport Authorities, JKIA May 2025 - August 2025
Assisting the ICT department with technical support, network troubleshooting, system maintenance, and user support across various airport systems.

Volunteer Developer, GDSC Club
Built projects, hosted coding workshops, and mentored peers in FrontEnd Development..

School Head Girl, St. George Academy
Led initiatives, promoted teamwork, and fostered inclusivity.

EDUCATION

Murang'a University of Technology Muranga, Kenya
Bsc Computer Science 09/2022 - present

Moringa School + WeThinkCode Nairobi, Kenya
Generative AI: Aug 2025 - present

Moringa School + Flatiron School Nairobi, Kenya
Software Engineering: Full Stack Web Development 06/2024 - 02/2025