

Irene Musau

Nairobi, Kenya | irenemwikalii04@gmail.com | 0799-138-346
LinkedIn [www.linkedin.com/in/irene-musau/] | Github [<https://github.com/ire-design/>]

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). Skilled in building scalable, user-friendly applications across front-end and back-end, with experience in modern frameworks, cloud technologies, and database optimization.

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

Fitness and Nutrition Tracker: Built a Python application with Flask, SQLAlchemy, and Click, featuring both a CLI tool and RESTful API to manage clients, log workouts, track nutrition, and generate analytics with tabular reporting.

Personal-portfolio: Built with TypeScript, React, Tailwind CSS, and Vite to showcase projects and skills. Deployed on Netlify for responsive, fast, and accessible presentation.

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 and participated in coding workshops with peers, in FrontEnd Development..

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

EDUCATION

Murang'a University of Technology Murang'a, 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