**Irene Musau**

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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**](https://github.com/ire-design/fitness-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**](https://irene-musau.netlify.app/)**:** Built with TypeScript, React, Tailwind CSS, and Vite to showcase projects and skills. Deployed on Netlify for responsive, fast, and accessible presentation.

[**Gym Management System**](https://www.loom.com/share/861fe24d705a4efd8c5f4fddcf15d3ea?sid=36f661b5-49cc-4ecd-b761-eb7377f4878d): Built a comprehensive system to oversee gym operations, including member management and class scheduling, improving administrative efficiency.

[**Book-A-Meal**:](https://github.com/ire-design/book-a-meal) Collaborated on a meal ordering platform using HTML5, CSS3, JavaScript, and Python (Flask), developing dynamic menus and secure order processing.

[**Car Rental Service Application**](https://github.com/ire-design/car-rental): 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 2025Assisting 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