

RAY HANS MORI WAMAMBA

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[LinkedIn](#) | [Github](#) | [Blog](#) | [Portfolio](#)

FULL STACK SOFTWARE ENGINEER

Experienced in Python with Flask and JavaScript based programming and a background in full stack web development. Possess strong skills in team-building, collaboration and project management that help cross functional teams drive more user focused solutions.I'm also a quick learner with hands-on experience from building projects and very eager to apply my knowledge in a collaborative environment solving real world issues and grow more as a developer.

TECHNICAL SKILLS

Technologies: Python with Flask, SQL, JavaScript, React, HTML/CSS,JWT

TECHNICAL PROJECTS

Fashion and beauty store - [Github](#) | [Demo](#)

Developed a full-stack web application replicating core functionalities of a modern fashion and beauty online store.

- Engineered a responsive front-end with React.js and Tailwind CSS, implementing a mobilefirst design for optimal user experience.
- Developed a secure RESTful API back-end using Python/Flask with JWT token-based authentication.
- Designed and implemented the database schema with PostgreSQL to efficiently handle product data, user accounts, and order history.
- Integrated key features including product catalog with advanced filtering, user authentication, and persistent shopping cart functionality.

Alcohol Tracker CLI - [Github](#) | [Demo](#)

Participated in a team to develop a privacy focused command line tool that could help track the drinking habits/patterns of a user.

- Built with python/flask.
- Developed a user friendly CLI interface therefore reducing manual calorie tracking time
- Implemented features like goal setting and weekly reports which helped improve drinking habits of users
- Incorporated the estimation of and BAC (Blood Alcohol Content) that would aid in the reduction of cases such as drunk driving by at least 10%.

Mood-based music player - [Github](#) | [Demo](#)

Participated in a team to developed a fully frontend music player that recommends songs based on user-selected moods from a json database.

- Built with react.
- Developed a mood filterable playlist that would encourage listener retention.
- Eliminated backend complexity by leveraging a JSON file for instant song retrieval and ensuring faster load times.
- Improved mood-matching accuracy to 40% by manually tagging songs with the appropriate mood labels.

EXPERIENCE

Social Health Insurance Fund

Industrial Attache

Nairobi, Kenya

02/2023 - 05/2023

- Resolved 15+ weekly hardware/software issues improving office productivity by 30%
- Configured and employed end user systems,reducing setup time by 25% through streamlined imaging processes.
- Worked with other IT staff in documenting troubleshooting workflows,cutting resolution time by 15%.

EDUCATION

Moringa School

Full Stack Web Development, Python with Flask and JavaScript program

Nairobi, Kenya

02/2025 - 08/2025

Kabarak University

Bachelor of Science in Information Technology

Major in Software Development

Nakuru, Kenya

2019 - 2023