Simon Muchemi

Software Engineer

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[GitHub](#) | [LinkedIn](#)

About Me

I am a passionate software engineer who loves coding and solving problems. I thrive in self-driven environments, understanding how systems work, and improving them. With hands-on experience in Python, JavaScript, and frameworks like Flask and React, I have built hobby projects such as an AI psychotherapist chatbot and a library management website. These projects showcase my ability to creatively apply technology to solve real-world problems.

I have experience in both backend and frontend development, using Flask, ReactJS, and CSS. I am currently learning about redis and OpenaiAPI and figuring out how best I can use these technologies to make efficient and intelligent websites and APIs.

Technical Expertise

 - **Frontend**: ReactJS, HTML, CSS, JavaScript

 - **Backend**: Flask, Python, MySQL, Redis, SQLAlchemy

 - **Tools:** Git, GitHub, AWS, Firebase, Figma

Projects

TheraBot, [link](#) — *AI powered psychotherapist chatbot*

For my final year computer science project, I developed an AI designed to act as a mental health counselor, focusing on discussing mental health concerns and supporting emotional well-being.

BookNest UI, [link](#)— *Library Management website*

I developed a website for a librarian to handle books fees and perform tasks such as issuing and retrieving books, updating book and member details.

BookNest API, [link](#)— *Library Management API*

I developed this project to serve an imaginary local library in need of a web application to ease their library management work. It helps the library track books issued to members, the quantity of books the library has and members registered to the system.

Skills/Exposure

Algorithms, DevOps, Testing,AWS, Redis, Sqlalchemy, Firebase, Figma

LANGUAGES

Python, JavaScript, Java, C

EDUCATION

Dedan Kimathi University of Technology, Nyeri KE— *Computer Science*

OCTOBER 2021 - PRESENT

 - **Relevant coursework**: Data Structures & Algorithms, Software Engineering, Database Management Systems.