

ROBERT MUCHIRI

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I am a software engineer with about 1.5 years experience currently focusing on developing fullstack web applications with react and node js utilizing typescript. I am driven by the thrill of learning new technologies and the satisfaction of crafting clean, user-friendly applications.

PERSONAL PROJECTS

Waera Task Management App — *React, typescript, tailwind css, javascript, node js, express, postgresql*

- **Developed a collaborative board-style task manager:** Leveraged ReactJS for a user-friendly frontend, Node.js and Express.js for the robust backend, and PostgreSQL for secure data storage.
- **Implemented drag-and-drop functionality** and real-time collaboration features, fostering seamless workflow management
- **Designed and built a digital canvas with colorful customization:** Utilized UI/UX design principles to create an intuitive interface with drag-and-drop capabilities and user-selectable colors for tasks, enhancing user experience and task organization.

Mismatchd E Commerce— *React, typescript, tailwind css, javascript, node js, express, postgresql*

- **Built** the frontend with ReactJS to deliver a responsive and dynamic user experience and developed a management interface where users can create and manage online stores, add and edit products, and analyze sales data.
- **Utilized** Express.js to construct a robust API for managing user interactions, product data, and store creation.
- **Leveraged** PostgreSQL to ensure secure and efficient storage of product information, user accounts, and transaction data.
- **Integrated** Stripe for secure seamless online payment processing
- **Implemented Clerk** for user authentication and authorization, ensuring secure access control.

SKILLS

React Js, Typescript, Next Js, Tailwind CSS, Node Js, HTML / CSS, Python, SQL, PostgreSQL, C, Git, Communication, Collaboration, Problem-solving

EDUCATION

Intro to Computer Science

CS50 EdX

- Gained a strong understanding of programming fundamentals, algorithms, data structures, and their applications in various domains.
- Got exposed to diverse programming languages like C, Javascript, Python and SQL.
- Developed the ability to break down complex problems, design efficient solutions, and think critically about various approaches through the assignments and labs offered during the course.