Steve Mutwiri

Software Developer

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Skills

Front-end development	**Back-end development**
Html	Python
CSS	Django
Javascript	Flask
React	Node.js
Typescript	Ruby on rails
Tailwind CSS	SQL - Postgres, MySQL
	NoSQL - MongoDB, Cassandra

Projects

Donation Website ⧉
- Developed a donation platform using ReactJS for building user-friendly and responsive interfaces.
- Utilized Redux Toolkit for efficient state management to handle donor and charity data.
- Designed and implemented backend APIs with Flask, ensuring secure and scalable operations.
- Integrated PostgreSQL for data storage, managing user accounts, donations, and charity applications.
- Enabled payment processing via PayPal/Stripe APIs for seamless and secure transactions.
- Created mobile-friendly wireframes using Figma, focusing on accessibility and usability.
- Conducted rigorous testing using Jest and Minitest, ensuring functionality and reliability of the platform.

Medical Reminder API ⧉
- Built a Flask API to manage medication reminders, ensuring users track prescriptions and dosage schedules. ⧉
- Utilized PostgreSQL for managing user, medication, and reminder data with robust relational models. ⧉
- Designed and implemented API endpoints for CRUD operations on users, medications, and reminders. ⧉
- Integrated pytest to write and execute automated tests, ensuring API reliability and performance. ⧉
- Used Postman to test and validate API routes during development. ⧉
- Seeded the database with sample data for testing and debugging using custom Python scripts. ⧉
- Ensured adherence to data validation rules for user profiles, medication details, and reminder schedules. ⧉

Education

Information Technology, *KCA University*	09/2022 – present
Full Stack Software Engineering, *Moringa school*	07/2024 – 11/2024