Brendah Mwihaki Kiragu
Software Developer
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SUMMARY

I'm a technically proficient software developer with experience building and deploying web applications using HTML, React JS, Next.js, and Python. Proven ability to design and develop RESTful API, database optimization (PostgreSQL, SQLite), and create visually appealing user interfaces with TailwindCSS. I consistently deliver full-stack solutions that align with user needs and business objectives. Thriving in fast-paced, learning-intensive environments, I am adaptable and quick to master new challenges.

TECHNICAL SKILLS

- Frontend Development: HTML, CSS, JavaScript (ES6+), Tailwind CSS, React.js, Next.js.
- Backend Development: Python, Flask.
- Database Management: PostgreSQL, SQLite, Postman.
- Version Control Systems: Git, GitHub.
- Tools: VSCode

SOFT SKILLS

- **Team-Work:** Collaborated seamlessly with a team of 5 developers during the Moringa School Bootcamp on the final project, thus meeting the project requirements on time.
- **Communication:** Delivered clear and structured presentations to peers and instructors of the projects I worked on.
- **Problem-solving:** Tackled complex coding challenges at the software boot camp, demonstrating the ability to quickly analyze, debug, and resolve issues, ultimately progressing to the next level.
- **Troubleshooting:** I'm proficient in debugging JavaScript code using web developer tools and the console, as well as utilizing print statements and ipdb for efficient Python debugging
- **Self-Leadership:** Independently completed FreeCodeCamp's Responsive Web Design Certification, showing the ability to execute self-led projects effectively.

PROJECTS

Portfolio - View Portfolio
I designed and developed my portfolio using Next.js and styled it with Tailwind CSS. It features eight responsive UI components, including a navigation bar optimized for all screen sizes. The projects page highlights my work, with live demos and GitHub links for the code. I used React's useState and useEffect hooks to manage state and fetch blog content from my dev.to account. The portfolio also includes a downloadable CV and a contact form with client-side validation to enhance user interaction.

Book Search Hub - View Project
I built a Single Page Application (SPA) for searching and discovering books using the Open Library API. The application features a user-friendly interface developed with HTML, CSS, and JavaScript, allowing users to search for books by title or author. To manage and update the application's state, including search queries and results, I leveraged React's useState hook.

Interview Master: View Project
I designed and managed an SQLite database using SQLAlchemy to ensure efficient data storage and retrieval for the interview_prep database. Then, I developed a command-line interface (CLI) application with Flask that allows users to interact seamlessly with the database. This project demonstrates my API development, testing, and database management proficiency.

EDUCATION

Moringa School, Kenya

Software Engineering Certificate   June 2024- Nov 2024

Relevant Coursework:
- Front-End Development: HTML, CSS, JavaScript, React JS, Next JS
- Back-End Development: Flask, PostgreSQL, SQLite, Postman

Jomo Kenyatta University of Agriculture and Technology

BSc. Food Science and Technology   Sept 2017 - Dec 2021
- Second Class Honors Upper Division

CERTIFICATIONS

- FreeCodeCamp Responsive Web Design - View Certificate
- Postman API Expert - View Certificate

REFEREES

Name: Mercy Nzau   Name: Peter Mbuthia

Position Title: Technical Mentor, Moringa School   Position Title: Software Engineer, Akili Group

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