

Ryne Mbuthia

Highly skilled software engineer specializing in full-stack web development, with expertise in React.js, Python Flask, and SQL. Proficient in designing and implementing end-to-end solutions by seamlessly integrating frontend and backend technologies. Experienced in building scalable, user-centric applications that address real-world challenges and enhance operational efficiency. Adept at optimizing performance, securing systems, and managing databases for reliable and robust application functionality. Demonstrated success in agile environments, collaborating with cross-functional teams to deliver innovative solutions on time and within scope. Passionate about leveraging technology to drive business growth and improve user experiences.

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🌐 medium.com/@ryne.mbuthia

🐙 github.com/Mbuthiasakara1



SKILLS

Attention to Detail

Business Intelligence

Client Support

Critical and Analytical Skills

Operational Analysis

Organizational and Analytical Skills

Project Management

Quality Analysis

Strong Work Ethic

Training and Development



TECHNICAL SKILLS

Programming Languages:

Python, JavaScript, SQL

Frameworks & Libraries:

Flask, React, Tailwind CSS

Backend Development:

API Design and Integration, CRUD Operations, Authentication Systems

Frontend Development:

Responsive Web Design, UI/UX Optimization

Database Management:

SQL, PostgreSQL, SQLAlchemy, MongoDB

APIs:

REST APIs

Testing & Debugging:

Unit Testing, Integration Testing, Debugging Complex Systems

Other Tools:

Git, Alembic, Cloudinary



KEY TECHNICAL PROJECTS

Vault Ministry: Vault Ministry is a digital church management platform enabling administrators to manage member registrations efficiently, view attendance reports, and access user details.

- Designed and implemented robust backend APIs using Python, enabling seamless user registration and efficient member search functionality, resulting in improved system usability.
- Streamlined database management by integrating SQLAlchemy ORM with Alembic migrations, ensuring efficient version control and scalability for future system expansions.
- Secured application integrity by developing authentication workflows for admin logins, effectively preventing unauthorized access to sensitive features such as attendance reports.
- Link to Project: <https://github.com/Mbuthiasakara1/Vault-registration>

FreshMart Store: The grocery store website is designed for sellers to manage their inventory, allowing them to perform CRUD operations on products, view detailed product information, and monitor pricing. Sellers can sign up, log in, and access secure features to optimize their store management.

- Developed a responsive web application using ReactJS and Python Flask, empowering sellers to efficiently manage product inventory through an intuitive, user-friendly interface.
- Designed and implemented a secure authentication system with Flask libraries, safeguarding store data by restricting access to registered sellers only.
- Created and integrated robust CRUD APIs in Flask, streamlining product operations and significantly improving data management and user experience.
- Optimized backend functionality to enhance data retrieval and display, reducing API response times and improving overall application performance.
- Link to Project: <https://github.com/Mbuthiasakara1/FreshMart-store>



WORK EXPERIENCE

Software Engineer - Full-stack Web Development Freelance

2023 - Present

- Developing and maintaining scalable web applications, achieving significant reduction in page load times by optimizing front-end performance and backend processes.
- Designing and implementing responsive UI components with React and CSS frameworks, enhancing user engagement and accessibility across multiple devices.
- Building robust RESTful APIs, enabling seamless system integration and improving performance across services.
- Enhancing user experience by deploying interactive features and optimizing workflows, resulting in increased customer satisfaction.
- Collaborating with cross-functional teams to deliver user-centric solutions, ensuring alignment with business goals and technical feasibility.
- Conducting thorough code reviews, upholding high-quality standards and reducing deployment errors.

Customer Service Representative AMG REALTORS, Nairobi

09/2023 - 05/2024

- Implemented clear and transparent communication with clients regarding their properties, improving customer satisfaction.
- Maintained a comprehensive tracking system for clients who completed contractual payments, ensuring timely initiation and processing of transfer procedures.
- Worked flexible hours to engage with diaspora clients, optimizing communication and support, resulting in improved client retention.
- Conducted ongoing reviews of client files to ensure correct engagement procedures were followed by relationship managers and that necessary documentation was obtained for seamless client engagement.

ICT Intern NATIONAL TREASURY AND PLANNING, Nairobi

08/2021 - 12/2022

- Developed customized reports in response to data analysis requests from the government, supporting budgeting and financial planning, leading to more informed decision-making.
- Implemented Business Intelligence (BI) solutions by addressing user inquiries, monitoring system performance, and effectively communicating technical and functional issues, ensuring smooth operations.
- Provided hardware and software support for 100+ users within the ministry, improving overall system efficiency and reducing downtime.
- Configured and maintained network infrastructure, including servers and firewalls, ensuring optimal security and performance.



EDUCATION

Full Stack Web Development, Python with Flask and JavaScript program Moringa School

06/2024 - 11/2024

Bachelor of Science in Computer Science South Eastern Kenya University

08/2017 - 11/2021



INTERESTS

Emerging Technologies

Programming

Financial Technology

Networking

Travelling