

Isaac Ssemugenyi

Frontend Engineer

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Summary

With over four years of experience as a Frontend Engineer, I bring a combination of frontend innovation and a keen eye to detail. My expertise in React with Redux, Redux Toolkit, RTK Query, Next.js, TanStack and TypeScript, allows me to craft engaging and efficient user interfaces while utilizing CSS, SASS, CSS Modules and Tailwind CSS for modern, responsive design. I cover testing, accessibility, SEO and analytics as part of my work. With a focus on optimizing performance and enhancing user experience, I am committed to delivering seamless user experiences and contributing to the success of my next team.

Skills

JavaScript • TypeScript • React • Redux • Tailwind css • CSS Modules • Redux Toolkit • Next.js

Work Experience

Frontend Lead

Jan 2026 – present

Mookh • Full-time

Remote

Technologies: GitHub Actions • CI/CD • Test driven development • Next.js • React

- Lead frontend direction across the platform, setting the standards the rest of the work is reviewed against.
- Own architecture decisions on state, component boundaries and performance budgets.
- Review code and mentor engineers, focusing on the reasoning behind a change rather than only its output.

Frontend Engineer

Sep 2024 – Dec 2025 • 1 yr 3 mos

Mookh • Full-time

Remote

Technologies: React • JavaScript • Redux • Redux Toolkit • Next.js

- Bug Fixing. Identify and fix issues reported by users or detected during testing.
- Code Refactoring and Optimization. Improve code readability and performance by cleaning up and reorganizing existing code.
- Performance Optimization. Enhance app speed and efficiency by optimizing component rendering and minimizing load times.
- Dependency Management. Update React and third-party libraries to ensure compatibility and address security vulnerabilities.
- Testing and Quality Assurance. Write and maintain tests to ensure the app functions correctly and is bug-free.
- Code Review and Collaboration- Review code for quality and work with other developers to improve the app's architecture.
- UI/UX Updates. Implement design improvements and ensure the app remains responsive across devices.
- Debugging and Logging. Monitor and analyze errors using logging tools to maintain app stability.
- Documentation and Knowledge Sharing. Keep code and process documentation updated for easier reference by the team.
- Security and Compliance. Address potential security risks and ensure the app follows best practices for data handling.

Frontend Engineer

Aug 2023 – Sep 2024 • 1 yr 1 mo

Jeba Jeba Limited • Contract

Kampala, Uganda

Technologies: React • Redux • Redux Toolkit • JavaScript • CSS3

- Implementing Figma designs using Reactjs
- Integrating API endpoints
- Reviewing Figma designs
- Web application Performance Optimization
- Responsive Web Design
- Collaborating with Backend Developers to integrate the user interface with server-side logic.

Frontend Engineer

Jan 2023 – Dec 2023 • 11 mos

Davsafaris • Freelance

Remote

Technologies: React • Axios • JavaScript • CSS Modules • Material-UI

- Implementing new features required on Davsafaris tours and travel platform
- Collaborate with developers both front and backend in case of new features or errors that need to be resolved for efficient working of the platform
- Identifying and fixing bugs, errors, or compatibility issues

Web developer

Jun 2022 – Jan 2023 • 7 mos

Crabtree Technology Limited • Part-time

Kampala, Uganda

Technologies: JavaScript • HTML/CSS • jQuery

- Website Development. This involved Creating, designing, and building websites and web applications based on client or company requirements using HTML, CSS, JavaScript, and React .
- Developing the user interface and user experience (UI/UX) of websites to ensure they are visually appealing, user-friendly, and responsive across different devices and browsers
- Testing and Debugging. Conducting thorough testing of websites and web applications to identify and fix bugs, errors, or compatibility issues.

Frontend Engineer

Jan 2021 – Sep 2023 • 2 yrs 8 mos

Moxtech Software Developers • Full-time

Remote

Technologies: TypeScript • React • Redux • Tailwind css • JavaScript

- Developing and maintaining high-quality web applications using ReactJS.
- Collaborate with designers to create intuitive and visually appealing user interfaces.
- Implement responsive design to ensure optimal user experience across various devices and browsers.
- Build reusable React components to streamline development and maintain consistency.
- Optimize web applications for maximum speed and scalability.
- Identifying and address performance bottlenecks in the codebase.
- Conduct thorough testing of applications to identify and fix bugs, errors, and compatibility issues.
- Writing and maintaining unit and integration tests to ensure code quality and reliability.
- Worked closely with backend developers to integrate APIs and ensure seamless data flow.
- Participate in code reviews to maintain high standards of code quality.
- Communicate effectively with team members and stakeholders to gather requirements and provide project updates.
- Continuous development processes improvement and contribute to team knowledge sharing.
- Implementing user feedback to enhance the UI/UX of applications.
- Ensure accessibility standards are met to provide a great experience for all users.

Frontend Developer

Sep 2020 – Dec 2020 • 3 mos

STRATCOM • Internship

Kampala, Uganda

Technologies: React • HTML/CSS • JavaScript • CSS • Firebase

- Assisted in creating, designing, and building websites and web applications based on client or company requirements.
- Utilized HTML, CSS, JavaScript, React, and other frameworks to develop robust solutions.
- Contributed to the development of user interfaces and user experiences (UI/UX) for websites.
- Ensure websites are visually appealing, user-friendly, and responsive across different devices and browsers.
- Participated in thorough testing of websites and web applications.
- Identified and fixed bugs, errors, and compatibility issues.
- Worked closely with the development team to ensure high-quality deliverables.
- Developed an e-commerce platform and hosted it at Firebase

Projects

Glam n Go Dashboard

Jan 2024 – present

4 coworkers

Technologies: React • TypeScript • Tailwind css • Redux • Firebase

Developing user interface using reactJs with tailwind CSS for modern web design, integrated API end-points using Redux toolkit query

Jeba Pesa

Aug 2023 – Apr 2024 • 8 mos

3 coworkers

Technologies: JavaScript • React • Redux • Redux Toolkit • CSS Modules

Developed user interface using reactJs with CSS modules, integrated API endpoints using Redux toolkit query

Education

Bachelor's degree: Computer Engineering

Aug 2018 – Sep 2022 • 4 yrs 1 mo

Makerere University

Kampala, Uganda

Equipped with the knowledge and skills to design, develop, and optimize software systems

Certifications & Awards

Writing Skills for Engineering Leaders - Cousera

Sep 2020

Communication Strategies for a Virtual Age - University of Toronto

Sep 2020

Languages

English (Professional working proficiency)

Afrikaans (Native or bilingual proficiency)