

# Jesse Bett

Experienced front-end software engineer focused on building accessible digital experiences

## Relevant Experience

[Frontend Engineer, Komunikon, Switzerland](#) August 2023 — Present

- Developed high-quality, production code using Next.js, React.js, JavaScript, TypeScript, and Tailwind CSS, enhancing front-end processes for diverse projects.
- Collaborated with cross-functional teams including developers, product managers, UI/UX designers, and backend engineers in an agile and remote environment, utilizing asynchronous communication methods, to contribute to the development of the product, thereby enhancing platform reliability and performance.
- Ensured cross-device compatibility and responsiveness with React, Next.js and Tailwind CSS, addressing complex challenges for optimal user satisfaction. Developed and ran unit tests to ensure code reliability.
- Prioritized UX/UI and accessibility, implementing WCAG standards and leading discussions to shape the frontend development roadmap for "Ikon" language applications. Collaborated with the QA team to address and resolve software defects.
- Developed and maintained automated test scripts using Jest for unit testing of individual components and Cypress for E2E testing of user workflows, including search bar functionality, icon retrieval, and sentence formation processes..
- Utilized Redux for state management, enhancing the efficiency and scalability of data handling in frontend applications
- Collaborated with DevOps teams to optimize the deployment pipeline, ensuring a smooth and reliable release process. Actively participated in discussions and decisions related to the integration of CI/CD practices into the development lifecycle

[Frontend Engineer, TiroTech Limited, Nairobi](#) August 2022— August 2023

- Used React.js within project architectures, optimizing rendering performance and achieving a 25% reduction in initial page load times across various web applications.
- Implemented Redux and Redux toolkit for state management, fostering a robust and scalable application structure, resulting in a 30% increase in development efficiency and code maintainability.
- Demonstrated familiarity with RESTful APIs and asynchronous request handling, contributing to seamless data integration and efficient communication between frontend and backend systems. Spearheaded the migration of legacy codebases to React, streamlining code readability and maintainability, resulting in a 20% enhancement in development productivity.
- Applied strong knowledge of JavaScript and the latest ECMAScript standards in developing Next.js and React applications, ensuring efficient web processes and addressing complexities for optimal user satisfaction.
- Initiated version control strategies utilizing Git/GitHub, implementing branching models that streamlined collaboration among development teams, resulting in a 25% reduction in code conflicts and enhancing overall project workflow efficiency.
- Showcased understanding of the Agile by actively participating in iterative development cycles, sprint planning, and maintaining adaptability to evolving project requirements.
- Maintained comprehensive documentation on GitHub repositories, facilitating knowledge sharing and onboarding for new team members, ensuring project continuity and seamless transitions.

[Software Engineer Intern, Cambrian Valuers Limited](#) September 2021— April 2022

- Collaborated on the development of an innovative online valuation platform enabling users to upload car images for appraisal, leveraging React, HTML, CSS, JavaScript, MongoDB, and Node.js. This initiative streamlined the valuation process and reduced turnaround time by 40%.
- Contributed significantly to the development of the automobile valuation system, integrating React for the frontend interface, MongoDB for efficient data storage, and Node.js for seamless backend operations, enhancing user accessibility and valuation accuracy.
- Played a key role in the implementation and testing phases of the platform, ensuring its functionality aligned with company standards and facilitated real-time feedback from valuers, ultimately increasing valuation accuracy by 30% and customer satisfaction

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<https://bett-jesse.vercel.app>

## Skills

### Programming Languages

JavaScript, TypeScript, HTML, CSS,

### Libraries, Frameworks & Database

React, Next.js, Redux, Node.js, Express.js, Tailwind,

Shadcn-ui, Prisma, MongoDB, PostgreSQL.

### Tools & Platforms

Git, GitHub, Netlify, Vercel, Webpack, Figma, Azure

## soft skills

Teamwork, Leadership, Eagerness to Learn, Adaptability, Communication

## Achievement

Founding Frontend Engineer of the Text2ikon platform at Komunikon, a platform utilizing a visual language called IKON, enabling users to form sentences using icons. Check out the platform at <https://text2ikon.komunikon.com/search>

## Selected Projects

### Build a Table reservation system

Build a table reservation system using react.js, Tailwind, javascript, express.js, node.js and mongo db. Mastered state management with redux and redux toolkit query. Practiced API fetching and communication between client and the server <https://table-mate.onrender.com/>

## Education

Africa Nazarene University  
January-2019 - July-2023

Bachelor of Science in Computer Science

## Certifications

Front-end development by Meta  
Version control by Meta  
Responsive web design

## Interests

Climbing, Gaming, science fiction movies, web accessibility, AI tools