

Jesse Bett

Software Engineer with a Passion for
Creating Accessible Digital Experiences

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Relevant Experience

Fullstack Engineer, Komunikon ,Switzerland August 2023 — Present

- Developed responsive, production-ready UIs using React.js, Next.js, and TypeScript, improving user interaction and engagement by 15% on the Text2Ikon platform.
- Implemented unit testing (Jest) and E2E testing (Cypress), ensuring code reliability and smooth frontend-backend interactions.
- Improved UI/UX by prioritizing accessibility, ensuring compliance with WCAG standards and enhancing user satisfaction.
- Utilized MongoDB for database management, optimizing data storage and retrieval processes to handle increasing user demands.
- Containerized applications using Docker, streamlining development and deployment workflows across different environments.
- Optimized frontend performance through advanced techniques like memoization, lazy loading, and caching, resulting in a 25% improvement in page load times and better user retention.
- Collaborated cross-functionally in an agile environment with product managers, designers, and backend developers to deliver scalable and efficient API integrations.
- Optimized frontend performance with tools like New Relic and Datadog, ensuring fast load times and smooth user experiences.
- Integrated GraphQL APIs using Apollo Client, enhancing data fetching and state management, leading to a 30% reduction in API call times.
- Developed and tested RESTful APIs for key functionalities such as icon creation, modification, deletion, and search, ensuring efficient and scalable backend operations.
- Applied Redux for state management, improving application performance and reducing state-related issues by 20%, as reported by QA.

Frontend Engineer, TiroTech Limited August 2022— August 2023

- Developed and optimized React.js and TypeScript applications, reducing page load times and improving rendering performance.
- Led the migration of legacy codebases to React, enhancing code maintainability and developer productivity.
- Integrated Auth0 for secure user authentication and authorization, ensuring seamless login across multiple platforms.
- Collaborated with developers and product owners to translate business requirements into functional components, ensuring high-quality, testable, and reusable code.
- Implemented RESTful API integrations, ensuring efficient data flow between frontend and backend systems.
- Utilized Git/GitHub for version control, reducing code conflicts and improving team collaboration.

Software Engineer , Cambrian Valuers Limited January 2021— April 2022

- Developed an online car valuation platform using React, HTML5, CSS3, JavaScript, MongoDB, and Node.js, reducing turnaround time by 40%.
- Collaborated on UI/UX design, working closely with designers to ensure a user-friendly, accessible, and responsive interface.
- Enhanced frontend performance with JavaScript optimizations and CSS3 animations, improving interaction smoothness and load times.
- Played a critical role in developing and testing cross-device compatibility to ensure optimal performance across various devices and browsers.

Languages & Frameworks:

Javascript, Typescript,React.js, Next.js, Node.js, Express.js, Tailwind CSS, Styled Components

Testing

Jest, Cypress, E2E Testing

State Management

Redux, Zustand, React Query, Context API

API & Databases

REST, GraphQL, Apollo Client, Prisma, MongoDB, PostgreSQL

CI/CD & Deployment

Docker, Git, GitHub, CI/CD Pipelines

soft skills

Collaboration & Teamwork, Adaptability & Continuous Learning, Communication

Selected Projects

<https://cake-order-frontend-e95m.onrender.com/>

Developed a full-stack web application where customers can order cakes online, and users can create stores to sell their own cakes. Integrated secure payment options and real-time order tracking for enhanced user experience

Education

Africa Nazarene University
Bachelor of Science in Computer Science

Certifications

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