

Vikrant Tiwari

PROJECTS AND EXPERIENCE

BOTMANTRA | SOFTWARE ENGINEER

March 2023 – Current | Bengaluru, Karnataka

- Led the migration of PeakAlpha's dashboards and admin panels from Ember to React, improving performance and maintainability using Vite, React Router, Redux, TypeScript, SCSS and MUI.
- Implemented a Microfrontend Architecture, enabling independent deployment of features, improving development speed, and enhancing code modularity across teams.
- Optimized web performance, reducing page load time from 6s to 1s and cutting Total Blocking Time (TBT) by nearly 70%, leveraging lazy loading, code splitting, and efficient rendering strategies.
- Improved user engagement and usability, designing customer onboarding flows, pre-review workflows, customer-facing dashboards, and prefab filters, leading to a 25% increase in user interactions.
- Boosted development efficiency, reducing build times and improving deployment speed by 30% through modern tools like Webpack Module Federation, npm, and Git.
- Developed a robust data collection platform, simplifying the intake of financial, personal, and loan-related information, directly enhancing PeakAlpha's financial advisory services.
- Integrated seamless payment solutions such as Paytm & Google Pay, ensuring a frictionless checkout experience and improving transaction success rates.
- Maintained high coding standards, ensuring scalability, reusability, and performance optimizations, while implementing best practices like TypeScript adoption, modular architecture, and performance profiling.

CONZUMEX INDUSTRIES | SOFTWARE ENGINEER

April 2022 – March 2023 | Bengaluru, Karnataka

- Collaborated with the design team to implement features like generating bills and reports, showing vital charts, and various tables showing patients' and doctors' details.
- Implemented Checkout system using payment gateways like Google Pay, Paytm, Apple Pay, PayPal, and Amazon Pay, resulting in a 12% increase in conversion rate.
- Used Shopify, React.js, Next.js, and Greensock animation library to generate static websites for their products along with smooth animations, boosting revenue and enhancing customer engagement.
- Optimized the website, reducing LCP from 8s to 2s and FCP from 5s to 1.8s. Implemented lazy loading, reducing Desktop Blocking Time from 1000ms to 300ms and LCP from 7s to 4s.

NETSET SOFTWARE SOLUTIONS | INTERN

October 2021 – March 2022 | Mohali, Punjab

- Developed a user registration platform for training and educational courses with features like search, filtering, enrollment, and notifications using React, Redux, HTML, CSS, and JavaScript.
- Focused on optimizing website performance, analyzing issues, and fixing bugs by implementing techniques such as debugging, tree shaking, and bundle splitting.
- Worked closely with the backend team for storing and fetching data from the database by integrating REST APIs.

SUMMARY

Passionate Frontend Engineer with 3.5 years of experience crafting scalable, high-performance, and secure web applications. I specialize in React, Next.js, Micro Frontends, PWAs, and State Management (Redux, Redux Toolkit) to build dynamic Single Page Applications (SPA). Skilled in handling complex data flows and integrating payment gateways for seamless user experiences. Driven by innovation, I create web solutions that are fast, intuitive, and built to scale.

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY

BACHELOR OF TECHNOLOGY (B.TECH) IN COMPUTER SCIENCE AND ENGINEERING - 2017 - 2021

SKILLS

- | | |
|-------------------|-----------------|
| • Javascript | • HTML/CSS |
| • React.js | • Next.js |
| • Redux | • Redux-toolkit |
| • Service-workers | • PWA |
| • Greensock | • Shopify |
| • Microfrontend | • Node.js |
| • Express.js | • MongoDB |
| • Docker | • Github |
| • Compass | • Robo-3T |

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