

TARUN BANDARI

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SUMMARY

Front End Engineer with **4.6+ years** of experience in the design, development, and deployment of **scalable, high performance web applications**. Proven ability to convert complex business requirements into **robust technical solutions** using a **React.js** and **Redux**. Excels at **optimizing system performance** (e.g., reducing latency or improving throughput) and delivering **secure, maintainable code** within **Agile/Scrum** environments. Strong collaborator with a track record of effective cross-functional teamwork and enhancing code quality through rigorous **peer review** processes.

WORK EXPERIENCE

Qatasys Pvt Ltd. Software Engineer	Hyderabad Remote July 2021 – Jan 2026
<ul style="list-style-type: none">• Health Care Project Aug 2023 – Jan 2026• Developed and maintained a robust Single Page Application (SPA) using React and TypeScript, focusing on building type-safe, maintainable, and high-performance user interfaces.• Implemented dynamic and declarative routing using React Router DOM. Customized the routing setup to build a client-side authorization interceptor that ensures validation and restricted access across all protected pages.• Managed application state globally using Redux, implementing efficient reducers and actions to handle complex data flow across the application.• Styled the application with a modern, responsive design utilizing Tailwind CSS for utility-first styling and Material UI (MUI) for professional, ready-made UI components, ensuring a consistent and accessible user experience.• Integrated the Front-End with external services by consuming data via RESTful APIs. Efficiently handled asynchronous operations, error states, and data serialization/deserialization for smooth data flow. <ul style="list-style-type: none">• Clinical Hub Project Aug 2021 – July 2023• Engineered the Front-End of a comprehensive Hospital Management System (HMS) using React and TypeScript, significantly improving code quality and minimizing runtime errors through strict type enforcement.• Developed a secure, role-based dashboard interface for three distinct user roles (Admin, Doctor, and Receptionist), dynamically rendering navigation and components based on authorization levels to restrict access to sensitive patient data.• Created reusable, highly complex form components for patient admissions, billing, and diagnosis entry. Integrated client-side validation using libraries like Formik or React Hook Form to enhance data integrity and user experience.• Optimized application performance by implementing efficient data fetching strategies and memoization (using <code>React.memo</code> and <code>useMemo</code>) to reduce unnecessary re-renders in heavy-duty components like the appointment calendar.	

SKILLS

Programming/Scripting Languages: JavaScript, TypeScript, Java

Frameworks/Libraries: React, Vite, Redux, Ajax, JQuery, Material UI, Tailwind, Boot Strap, Chakra UI

Databases: Mongo DB, MySQL

Version Control & CI/CD: Git, GitHub

EDUCATION

Bachelor of Commerce(Computers)
Telangana University | Telangana, India

Jun 2015 – Jun 2018
GPA: 7.1

PROJECTS

Health Care

An **Insurance Management System (IMS) SPA** developed with **React and TypeScript** to streamline policy, claims, and customer data management. The application uses **Redux** for centralized state handling of complex financial data and member profiles, ensuring data synchronization and integrity. Key features include a detailed **Claims Processing module** with dynamic form generation and validation, a **Policy Administration dashboard**, and secure **member portals**.

Role: Front End Developer

Stack: React (TS), Vite, Redux, Tailwind CSS, Material UI, React Router, HTML, CSS, Mongo DB, Rest API's

Clinical Hub

A comprehensive **Single Page Application (SPA) Hospital Management System** developed using **React and TypeScript** to modernize hospital operations. The system features a **secure, role-based dashboard** for Admins, Doctors, and Receptionists, restricting access to sensitive patient data. It utilizes **Redux** for centralized state management of critical data like appointment schedules and patient records, and is styled with **Tailwind CSS** for a responsive, modern interface.

Role: Front End Developer

Stack: React (TS), Vite, Redux, Tailwind CSS, Material UI, React Router, HTML, CSS, Mongo DB, Rest API's

Teck Jobs Job Portal | [Live](#)

Designed and prototyped the user interface (UI) and user experience (UX) for **TeckJobs**, a modern job portal application. Focused on creating an intuitive and visually striking **homepage** that utilizes a **dark theme** for high contrast and features a prominent job search functionality. Key design elements include a clear navigation bar, a compelling hero section with a strong call-to-action and a simplified search bar (Job Title, Job Type) for immediate user engagement. The design incorporates **3D/illustrated assets** to enhance visual appeal and create a friendly, inviting atmosphere.

Role: Personal project

Stack: React (TS), Vite, Redux, Tailwind CSS, Material UI, React Router, HTML, CSS, Mongo DB, Netify

Tesla Catalog | [Live](#)

This project involved engineering an interactive, high-fidelity hero slider component using React to showcase various Tesla vehicle models and specifications. The core implementation leveraged react-transition-group to manage complex, directional slide animations and smooth transitions between car models. I utilized advanced CSS/Sass and dynamic CSS variables to create a custom theming engine, allowing the button color, car shadow, and background glow to instantly update with the active slide.

Role: Personal project

Stack: React, Redux, HTML, CSS, Boot Strap, Tailwind CSS, Vercel, Netify

True Weather | [Live](#)

True Weather gives you the most accurate forecast for your exact location, eliminating surprises. Our real-time radar and minute-by-minute updates ensure you're always prepared for rain or shine. Key features include Geolocation API integration for immediate local weather and a search function for global locations, displaying data like temperature, humidity, and wind speed.

Role: Personal project

Stack: React, Redux, HTML, CSS, Boot Strap, Tailwind CSS, Axios, API's, Vercel