TARUN BANDARI

Address: Hyderabad, Telangana, India | Phone: +91- 7981556438 | Email: tarunbandari1507@gmail.com
LinkedIn: linkedincom/in/tarunbandari | Portfolio: https://tarun-port-folio.netlify.app/

SUMMARY

Front End Engineer with **4+ 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

Connate Software Solutions.   Hyderabad | Remote
Software Engineer   Aug 2021 – Present

- **United Health Care** | Aug 2023 – Present
  - **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.

- **Paragon Clinical Hub** | Sep 2021 – Jul 2023
  - **Engineered the entire 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 `React.memo` and `useMemo`) 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, Material UI, Tailwind, Boot Strap, Chakra UI
Databases: Mongo DB, MySQL
Version Control & CI/CD: Git, GitHub

EDUCATION

Bachelor of Commerce(Computers)   Jun 2015 – Jun 2018
Telangana University | Telangana, India   GPA: 7.1

PROJECTS

United Health Care(UHC)

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

Paragon 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

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