ARUN RAJ

Frontend Software Engineer • React.js | TypeScript | Redux Toolkit

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PROFESSIONAL SUMMARY

Frontend Software Engineer with 3+ years of professional engineering experience architecting and delivering high-performance, accessible, and scalable web applications using **React.js and TypeScript**. Proven success translating intricate Figma mockups and complex business requirements into pixel-perfect, responsive digital interfaces with **Tailwind CSS and Material UI**. Adept at eliminating performance bottlenecks through advanced client-side rendering techniques, managing state with **Redux Toolkit**, integrating multi-tier RESTful APIs, configuring **Webpack** build pipelines, and ensuring zero-regression releases with **Jest unit and integration tests**.

TECHNICAL SKILLS

Frontend & Languages:	React.js, TypeScript, JavaScript (ES6+), React Native, Single Page Applications (SPAs), HTML5, CSS3
State Management & APIs:	Redux Toolkit (RTK), Redux Thunk, React Context API, RESTful APIs, Axios Interceptors, Async Data Caching
Styling & Design Systems:	Tailwind CSS, Material UI, Responsive Web Design, Token-Based UI Systems, Web Accessibility (WCAG 2.1)
Performance & Optimization:	Core Web Vitals (LCP, CLS, INP), Route-Based Code Splitting, Dynamic Imports, Lazy Loading, React.memo, Profiling
Testing, Tooling & Workflows:	Jest, React Testing Library, Webpack, Vite, Git, GitHub, npm, Agile / Scrum, Claude Code (AI Velocity)

PROFESSIONAL EXPERIENCE

Sequoia Applied Technologies — Software Engineer — June 2023 – Present | Kerala, India

- Architected and delivered responsive, enterprise-grade web dashboards and customer portals using **React.js, TypeScript, and Tailwind CSS**, serving multi-region enterprise users.
- Implemented predictable application state management utilizing **Redux Toolkit and React Context API**, eliminating state inconsistency and cutting redundant re-renders across data-intensive interfaces.
- Optimized web performance via **advanced rendering techniques** (route-based code splitting, dynamic imports, and lazy loading), improving Core Web Vitals and reducing initial page load times by ~35%.
- Partnered closely with UX designers to translate intricate Figma prototypes into **pixel-perfect, accessible (WCAG 2.1)** UI components with reusable token-based design systems.
- Integrated multi-tier **RESTful APIs** via Axios with robust request/response interceptors, standardized error handling, and asynchronous loading states for seamless frontend-backend data flow.
- Engineered cross-platform mobile application modules using **React Native**, aligning state architecture and user experience with web platforms.
- Authored automated unit and integration tests using the **Jest framework** to maintain high code reliability, reduce regression risks, and uphold production-grade standards.
- Streamlined dev workflows and asset bundling by configuring **Webpack and Vite**, collaborating via Git branching models and Agile sprint cadences.
- Mentored junior developers on frontend best practices, code review standards, and modern ES6+/TypeScript patterns.

KEY ENGINEERING PROJECTS

ATNDNZ — Enterprise Attendance & Workforce Management Platform | ***React.js, Redux Toolkit, Tailwind CSS, REST APIs***

- Designed and developed a centralized, responsive web dashboard allowing administrators to monitor workforce check-ins, generate real-time analytical reports, and manage employee records.
- Integrated role-based routing and secure session management, resulting in an intuitive experience across mobile and desktop devices.

Profile Builder & Interactive Web Virtual Tour Component | ***React.js, TypeScript, Webpack, Tailwind CSS***

- Engineered a dynamic template-driven document generation web app with customizable layouts and real-time state preview.
- Developed a plug-and-play, step-by-step user walkthrough component in React to elevate user onboarding and increase feature adoption across client portals.

EDUCATION & BACKGROUND

Bachelor of Technology (B.Tech) in Mechanical Engineering — Kerala, India

LBS College of Engineering, Kasaragod • APJ Abdul Kalam Technological University

Prior Professional Experience: Service Advisor (Apco Hyundai) & NDT Quality Inspection Technician (Geecy Apave) — Transitioned to full-time Software Engineering in 2023.