Manikandan

Senior Frontend Engineer

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SUMMARY

Senior Frontend Engineer with 7+ years of experience building scalable, high-performance SaaS platforms using React, TypeScript, and modern frontend architectures. Strong expertise in UI systems, performance optimization, state management, and micro-frontend platforms. Experienced in cross-team collaboration, backend integration, and distributed systems, with a strong interest in contributing across frontend and backend boundaries in product-driven environments.

SKILLS

Frontend: React, Typescript, JavaScript, HTML, CSS3, SCSS, AngularJS, Stencil (Web Components)

State & Data: Redux Toolkit, Context, REST API Integration

Testing: Jest, Playwright, Jasmine

Build & Tooling: Webpack, Module Federation, Gulp, NPM, Storybook

Architecture: Micro-frontends, Web Components, Shared UI systems, Client-Side Routing

Collaboration: Git, Jira, Agile, Distributed teams

PROJECTS / WORK EXPERIENCE

Broadcom | Clarity PPM

Senior FrontEnd Engineer | October 2022 – Present | Hyderabad, India

- Contributed to **Clarity PPM**, a large-scale enterprise SaaS platform used by thousands of enterprise customers working within a hybrid **Stencil + AngularJS** architecture.
- Designed and implemented a **Stencil infrastructure layer** that enabled AngularJS and Web Components to run in parallel, supporting phased modernization across **multiple product modules**.
- Built a **custom client-side router for Stencil**, integrated with AngularJS routing, enabling seamless navigation across legacy and modern UI layers.
- Engineered a **Redux Toolkit–based shared state layer**, synchronizing state between Stencil and AngularJS and reducing cross-framework state bugs.
- Actively participated in **code reviews**, enforcing architectural consistency, performance best practices, and maintainable patterns.
- Delivered infra-level enhancements and new product features, improving UI consistency and maintainability across **legacy and modernized modules**.
- Worked closely with backend teams on API contracts, data models, authentication flows, and service integration.

 Tech Stack: StencilJS, JSX, Typescript, SCSS, AngularJS, JavaScript, Redux Toolkit, Jest, Jasmine, Playwright, Storybook, Gulp, HTML

PepsiCo | Sales Planning
Senior Associate Consultant (Infosys) | May 2021 – September 2022 | Remote, India

- Played a key role in migrating the Sales Planning platform from **JSP to a modern React + TypeScript architecture**.
- Designed and built the application **from scratch**, establishing scalable frontend foundations using **React, Redux Toolkit, and React Router, Micro Front End.**
- Developed **four independent frontend applications**, supporting modular development and parallel team delivery.
- implemented **Webpack Module Federation** to enable a **micro-frontend architecture** with independently deployable modules.
- Built a **shared UI component library** and published it as a **private NPM package**, enabling reuse across multiple micro-frontend applications via an internal artifact repository.
- Collaborated closely with backend and platform teams to align frontend architecture with business workflows.
- Worked with **Azure-based CI/CD pipelines** and internal **NPM artifact repositories** to support scalable build and release workflows.
- Worked in a **remote-first setup**, collaborating seamlessly with cross-functional teams using **Zoom, Webex, and Google Meet**.

Tech Stack: React, TypeScript, Redux Toolkit, React Router, Webpack, Module Federation, Material-UI, Jest, Enzyme, NPM Artifactory

Syncfusion Software Solution

Software Engineer | April 2019 – MAY 2021 | Chennai, India

- Contributed to the development of a **framework-agnostic Web Components UI library** using **TypeScript**, consumed across multiple Syncfusion products.
- Built and enhanced **Map components** capable of rendering **GeoJSON data** using **SVG** and tile providers such as **OpenStreetMap and Bing Maps**.
- Implemented advanced map features including **data labels, marker clustering**, and interactive overlays, improving usability for large datasets.
- Developed **Circular and Linear Gauge components** using **SVG and TypeScript**, delivering core features and extending functionality based on customer requirements.
- Ensured **cross-browser compatibility, component lifecycle stability**, and consistent styling across major browsers.
- Well-versed in SDLC, Agile methodology, Version control system (GIT), Defect Tracking tool (Jira).

Tech Stack: TypeScript, JavaScript, React, SVG, Web Components, HTML5, CSS3, Jest

Education:

Bachelor of Engineering in VEC, Chennai (2014 - 18)

Honor and Awards:

Hackathon 2023(Broadcom), Insta Award (Infosys), Sprint Champion (PepsiCo)