

THAMIL ALAGAN R

Frontend Developer | React.js | REST APIs

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PROFESSIONAL SUMMARY

Frontend Developer with 3 years of experience building responsive, scalable web applications using React.js, JavaScript (ES6+), TypeScript, and Redux Toolkit. Skilled in developing reusable UI components, implementing state management, integrating REST APIs, and building maintainable frontend architectures with strong cross-browser compatibility. Transitioned into software development from a Civil Engineering background, bringing strong analytical and problem-solving discipline to frontend engineering. Proven track record of improving performance and user engagement through clean, well-tested, production-ready code in agile, cross-functional teams.

TECHNICAL SKILLS

Frontend: React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap, React Router, React Hooks, Responsive Web Design, Reusable Components, Form Handling & Validation, Error Boundaries, Webflow

JavaScript Frameworks & Libraries: React.js (primary), Redux Toolkit, Context API, State Management & Data Fetching, Node.js/Express.js (working familiarity)

Backend Familiarity: Node.js, Express.js, MongoDB

API & Integration: REST APIs, Axios, Postman, Third-Party API Integration

Tools & Workflow: Git, GitHub, VS Code, Postman, Agile/Scrum, Chrome DevTools, Docker

Design Handoff: Figma, Lovable (design-to-code, UI implementation from mockups)

Core Concepts: Component-Based Architecture, CRUD Operations, Performance Optimization (memorization, Lazy Loading, CodeSplitting), Browser Debugging (Chrome DevTools), Cross-Browser Compatibility, Clean Architecture, Design Patterns, ModularArchitecture, Asynchronous Programming (Async/Await), ES6 Modules (Import/Export)

CERTIFICATIONS

- Full Stack Web Development Course — Appin Technology
- Web Development Internship — Yellow Summer (May 2023 – Jun 2023)

PROFESSIONAL EXPERIENCE

MERN Stack Developer | La Confianza Tech | Oct 2024 – May 2026

- Developed and maintained 5+ scalable frontend modules using React.js, Redux Toolkit, and REST APIs, reducing page load time by ~30% through component-level performance optimization.
- Built responsive UI components and dashboard views using React.js, cutting new-feature development time by 25%.
- Integrated RESTful APIs (including Meta Webhooks) into frontend workflows for real-time, event-driven data handling across 3+ product features.
- Implemented form handling, validation, and error boundaries across dashboard and workflow screens to isolate UI failures and follow React best practices.
- Managed component lifecycle and rendering behaviour across dashboard views, and applied performance optimization techniques — memoization to improve load times on data-heavy screens.

- Used Docker to containerize the MERN stack application for consistent local development and deployment environments across the team.
- Used Git and GitHub for version control across concurrent projects, maintaining a structured branching strategy across 2–4 person teams without code conflicts.

Frontend Developer | *Squash Apps* | Jul 2023 – Oct 2024

- Developed dynamic, responsive web applications using React.js, JavaScript, and Redux Toolkit, contributing to a measurable increase in user engagement.
- Built 8 frontend modules/screens across 2 applications, covering user workflows, data management views, and responsive UI features.
- Integrated 10+ REST API endpoints using Axios, optimizing request handling and reducing data-fetch latency.
- Designed and maintained a library of 10+ reusable UI components, reducing code duplication by 40% across the codebase.
- Collaborated with UX/UI designers to implement pixel-perfect, cross-browser-compatible features across all screens; contributed to debugging, QA, and production rollouts with zero critical UI defects at launch.

KEY PROJECTS

Sendship — Shopify FedEx Shipping App (React.js, Redux Toolkit, REST APIs)

- Built the frontend for a custom Shopify shipping app with 4 modules: shipping services, real-time rate calculation, shipment creation, and a live dashboard.
- Implemented FedEx, UPS API integration on the frontend for real-time shipping rates and shipment actions, including cancellations.

Pingcart — WhatsApp Business Shopify App (React.js, REST APIs)

- Led dashboard UI development displaying real-time WhatsApp communication data (sent, delivered, read) sourced from Meta Webhooks.
- Integrated 5+ frontend-backend API endpoints across 3+ notification modules to support merchant messaging workflows.

Education Portal — Student & Educator Learning Platform (React.js, TypeScript, Redux Toolkit)

- Architected 5+ frontend modules for an online education portal; adopted TypeScript for type safety across all components.
- Adopted TypeScript for type safety and improved code reliability across all frontend components and API interactions.
- Managed application state using Redux Toolkit and integrated REST API endpoints using Axios for dynamic data rendering.

Hospital Appointment Management (React.js, TypeScript, Redux Toolkit)

- Built a responsive scheduling interface for patient records, doctor scheduling, and appointment booking with centralized state management.
- Applied Redux Toolkit for centralized state management across patient records, appointments, and scheduling workflows.
- Ensured cross-browser compatibility and responsive design across all screens, improving usability for clinical staff.

KEY RESPONSIBILITIES

- Developing frontend solutions by analyzing business requirements, systems flow, and data usage to build effective, user-focused web applications.
- Performing coding, unit testing, and code validation to ensure error-free, production-ready deliverables within sprint deadlines.
- Integrating RESTful API endpoints into frontend applications to enhance functionality, data accuracy, and

overall user experience.

- Ensuring responsive design and cross-browser compatibility across all developed web applications, targeting 99%+ browser support.
- Collaborating with cross-functional teams — systems analysts, backend developers, and UX/UI designers — to deliver high-quality, on-time products.

EDUCATION

Bachelor of Engineering (Civil Engineering)

SriGuru Institute of Technology, Coimbatore | 2014 – 2018