

Vinothkumar S

Senior Software Engineer (Frontend) | React • Next.js • TypeScript

EXPERIENCE

WebCargo by Freightos | Chennai, IN

Senior Software Engineer, JULY 2024 - PRESENT

Led React 16 → React 18 migration for a large-scale logistics platform, leveraging concurrent rendering to improve UI responsiveness and reduce rendering overhead by ~30%.

Designed API state management using **TanStack Query**, applying caching and SWR strategies to reduce redundant server requests by ~40%.

Built reusable form architecture with **React Hook Form + Zod/Yup**, cutting form-related boilerplate by ~50%.

Credo Health | Chennai, IN

Senior Software Engineer (Team Lead Responsibilities), MAY 2023 - JULY 2024

Owned frontend architecture for a Next.js Healthcare PaaS, implementing RBAC, complex workflows, and optimizing Core Web Vitals, improving LCP by 15% using Image optimization and ISR.

Led frontend delivery and CI/CD automation on Azure DevOps, managing deployments, estimations, ticket allocation, release notes, and cross-team coordination, reducing release cycles by 20%.

Led and mentored a 3-member team, enforcing component-driven architecture and TypeScript best practices, and delivering a cross-platform Capacitor.js application with a unified codebase.

Credo Health | Chennai, IN

Software Engineer, MARCH 2022 - MAY 2023

Improved component reusability by ~25% by building a shared UI library, accelerating feature delivery across modules.

Delivered real-time analytics dashboards using Recharts and Chart.js for clinical data insights.

Reduced bundle size by ~15% through code splitting, tree-shaking, and dependency optimization.

Billiontags Creations | Chennai, IN

Junior Software Developer, JULY 2021 - MARCH 2022

Built and maintained responsive React.js components for client-facing e-commerce applications, integrating RESTful APIs and managing state using Context API and Hooks.

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SKILLS

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3/SCSS.

Frameworks & Libraries: React.js, Next.js (App Router), Node.js, Express.js, Hono.js.

State Management: TanStack Query (React Query), Redux Toolkit, Context API.

UI & Styling: Tailwind CSS, Material UI (MUI), shadcn/ui, Responsive Design.

Architecture & Performance: , ISR, CSR, Code Splitting, Lazy Loading, Hydration Optimization, Core Web Vitals.

Backend & Data: PostgreSQL, Drizzle ORM, RESTful APIs

Tools & Testing: Jest, React Testing Library, Git, Azure DevOps, Jira, Vercel, Postman

KEY HIGHLIGHTS:

React 16→18 migration for a large-scale logistics platform (+30% rendering performance)

Frontend Tech Lead — CI/CD ownership, team mentoring, release management

CERTIFICATIONS:

Meta Front-End Developer

Professional Certificate

(Coursera) – Advanced React, UX/UI

EDUCATION

B.E. (ECE),

Sri Venkateswara College of

Engineering & Technology (SVCET)

2016 – 2020

PROJECT EXPERIENCE:

United Airlines Agent Portal – Cargo Booking System

Tech: React 18, Context API, Tailwind CSS, Atmos-design-system(United Airlines)

- Built an enterprise React 18 cargo booking platform with multi-step workflows, real-time flight search, rate selection, ULD handling, and AWB generation integrated with Salesforce
 - Implemented Redux Toolkit + React Query for scalable state management, caching, and real-time data synchronization
 - Integrated secure authentication using OAM SSO, DUO MFA, JWT, and Salesforce OAuth with protected routes
 - Delivered production deployments via CI/CD using Bitbucket Pipelines, Amazon S3, and Amazon CloudFront with Sentry monitoring
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Thanzhi Tech (Credo v2) – Multi-Tenant Healthcare PaaS

Tech: Next.js (Server Components), Context API, Tailwind CSS, HeroUI

- Re-architected the platform into a multi-tenant healthcare PaaS enabling multiple hospitals to onboard with isolated data and configurations
 - Implemented CI/CD pipelines using Azure DevOps, automating build, test, and multi-environment deployments
 - Integrated Google SSO authentication and ensured HIPAA-compliant data handling with secure access controls
 - Improved accessibility (WCAG standards) and implemented API endpoint isolation by routing sensitive API calls through Next.js Server Components & Server Actions
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Credo Health Hospital – Healthcare Management System

Tech: React, Redux, SCSS, Axios, Material UI

- Developed a hospital management system for patients, vitals, surgeries, doctors, care managers, and counselors
 - Built role-based dashboards with secure access control and real-time data visualization
 - Streamlined clinical workflows using centralized state management and API-driven architecture
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Bhaasyam Construction – Corporate Website

Tech: Gatsby, Bootstrap, GraphQL

- Built a static, SEO-optimized corporate website using Gatsby and GraphQL
 - Implemented responsive layouts and optimized performance for fast page loads
 - Delivered a clean, brand-aligned UI with strong accessibility and SEO fundamentals
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Space & Beauty – E-Commerce Platform

Tech: Next.js, Bootstrap, Styled Components

- Developed a responsive e-commerce application with product listings, cart, and checkout flows
- Integrated REST APIs for authentication, orders, and payments
- Optimized UI performance and usability across devices