Vinothkumar S

Senior Software Engineer (Frontend) | React • Next.js • TypeScript
techyvino.vercel.app | **github.com/techyvino**

Chennai, IN 600129
+91 91235 79202, +91 89394 23982
techyvino@gmail.com
linkedin.com/in/techyvino

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**.

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

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**

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