

GOPINATH NATARAJAN

Senior Frontend Engineer | React TypeScript Next.js Node.js

Chennai, India | +91 8667213680 | gopi15699@gmail.com | linkedin.com/in/gopinath-n-3ab890175 | Open to 100% Remote

PROFESSIONAL SUMMARY

Results-driven Senior Frontend Engineer with 6+ years of experience in architecting scalable, high-performance web applications for SaaS and enterprise platforms. Expert in React, TypeScript, and Next.js, with a proven track record of operational excellence, maintaining a 95% KPI for code quality through AI-driven workflows (Amazon Q). Spearheaded migrations to microservices and cloud-native architectures, ensuring zero high-severity production defects across high-traffic platforms. Committed to engineering impact through reusable system architectures, data integrity optimizations, and secure API integrations.

CORE COMPETENCIES

Frontend & Languages: JavaScript (ES6+), TypeScript, React.js, Next.js, React Native, Redux Toolkit, Context API, Tailwind CSS, HTML5, CSS3, Responsive Design, System Architecture

Backend & Cloud: Node.js, Express.js, REST APIs, GraphQL, WebSockets, Microservices, AWS (Lambda, S3), Docker, CI/CD Pipelines, Vercel, Redis

Databases & Quality: PostgreSQL, MongoDB (Optimization), Redis, Jest, Vitest, Unit/Integration Testing, Performance Monitoring, Web Accessibility (a11y), Security Auditing

PROFESSIONAL EXPERIENCE

Senior Full Stack Engineer | Eligarf Technologies Oct 2023 Present

Architected a scalable Family Tree SaaS frontend using React and TypeScript for millions of records, optimizing rendering performance and achieving a 95% KPI target for code quality verified by Amazon Q Developer.

Engineered a centralized, reusable component library (Forms, Data Grids, Charts) adopted by multiple product teams, reducing development cycles by 30% and ensuring 100% UI consistency across platforms.

Optimized MongoDB update syntax and data filtering logic for tree controllers, resolving critical pathing issues and ensuring data integrity for nested group-scoped invitations.

Implemented real-time chat and payment integrations for an Astrology SaaS platform, leveraging AWS Lambda and WebSockets to serve a global user base with zero high-severity production defects.

Established automated CI/CD pipelines via GitHub Actions and Amazon Q AI reviews, catching 100% of critical syntax and style errors pre-merge to eliminate runtime crashes.

Full Stack Engineer | Eligarf Technologies / iMeUsWe May 2022 Sept 2023

Spearheaded the end-to-end development of the iMeUsWe social platform using Next.js and Redux, managing high-traffic routing and sub-second response times for genealogy searches across billions of records.

Designed and deployed Admin CMS panels with Role-Based Access Control (RBAC), integrating data analytics to drive business decisions for subscription-based recurring revenue models.

Software Engineer | EzeeShipping Solutions Pvt Ltd Aug 2021 Jun 2022

Developed Angular-based logistics modules for shipment tracking and invoicing, ensuring cross-browser compatibility and responsive layouts for enterprise clients.

Integrated RESTful APIs with 3rd-party logistics providers, reducing API failure rates by 15% through improved error handling and platform-specific URI handling logic.

PROJECTS & OPEN SOURCE

api-insight-sdk: Full-stack monitoring platform built with React 19, Redux Toolkit, and TypeScript; features real-time dashboards and JWT/OAuth 2.0 security. Published on NPM.

device-signal-kit: Zero-dependency TypeScript SDK for browser fingerprinting and bot detection, achieving 100% test coverage with Vitest. Published on NPM.

Solar System 3D Explorer: Interactive React + Three.js application demonstrating high-performance 3D rendering in the browser. Deployed on Vercel.

EDUCATION & AWARDS

B.Tech, Information Technology | AVC College of Engineering, Tamil Nadu (2016-2020)

Rising Star Award (2x) for rapid technology adoption | Valuable Team Player Award for cross-functional collaboration.