

MOHANRAJ M

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Full-Stack Engineer • Shipping Web & Mobile Products with TypeScript, Next.js & React Native

Full-Stack Engineer (Frontend-heavy) • 2+ years building production apps with TypeScript, Next.js, React Native & Node.js. Shipped to App Store & Play Store, integrated AI (Gemini, Claude) and payments (Razorpay, Stripe). Former BizDev professional — I ship fast and communicate across teams.

SKILLS

Front-End: JavaScript (ES6+), TypeScript, React.js, Next.js (SSR & CSR), HTML5, CSS3, Tailwind CSS, Shadcn/ui, Antd, React Router

Back-End: Express.js, Hono, MongoDB, Node.js, Bun.js

Mobile: React Native, Expo, Firebase, App Store Connect, Google Play Console

State Mgmt: Zustand, React Query, Redux

AI & Payments: Gemini API, Claude AI, Stripe, Razorpay

Tools: Git, GitHub, Postman, ESLint, Vite, Webpack, Babel, pnpm, NPM, Yarn

WORK EXPERIENCE

Freelance Full-Stack Developer • Freelancer

Self-employed

Jan 2026 – Present

- Sole engineer on a production-ready AI storytelling platform — shipped end-to-end in **under 6 weeks** as a solo freelance project.
- Leveraged AI-assisted workflows (Claude Code) to compress development cycles and independently deliver frontend, backend, payments, and AI integrations without a team.

Junior Software Engineer — Full Stack • Full-time

Vish Gyana Technology Solutions Pvt Ltd • Chennai

Sep 2023 – Oct 2025

- Architected a **4-panel platform** (Mobile, User Web, Admin, Host) serving thousands of users — reducing duplicate dev effort by **~40%** via a shared API layer across React Native, Next.js, and React.js.
- Architected a hybrid Next.js rendering strategy — `getServerSideProps` for real-time listing/search data and CSR + React Query caching for booking and dashboard flows — improving Core Web Vitals scores and reducing page load by **~40%**.
- Owned end-to-end mobile lifecycle from architecture to **App Store & Play Store publication** — achieving first-submission approval on both platforms.
- Integrated Razorpay with webhook handling and error recovery — resulting in **zero payment failures** post-launch and measurably improved user retention
- Reduced mobile crash rate by **~60%** and cut redundant API calls by **~45%** through performance profiling, memoization, and layered state management (Zustand + React Query)
- Built SEO-optimised web applications with Next.js SSR/CSR hybrid rendering, TypeScript, and Tailwind CSS — achieving **top-tier Core Web Vitals scores** and reducing page load time by **~40%**.
- Contributed to consistent on-time sprint delivery over **2 years** by driving code reviews, structured Git workflows, and sprint planning — maintaining a **low post-release bug rate** across all major feature launches.
- Ensured cross-browser compatibility across Chrome, Firefox, Safari, and Edge by applying progressive enhancement techniques, CSS fallbacks, and systematic browser testing — delivering a consistent UI experience for all users regardless of platform.
- Improved code reliability by writing Jest unit and integration tests for critical UI components and API flows using AI-assisted test generation — catching edge cases early and reducing post-release bugs across booking and payment features.

Intern — Full Stack • Internship

Vish Gyana Technology Solutions Pvt Ltd • Chennai

Jun 2023 – Aug 2023

- Contributed to production web and mobile features within the first month by building responsive UI components with React.js, Next.js, and React Native — demonstrating enough technical readiness to be **converted to a full-time role within 3 months**.
- Implemented state management and API integration for real product features using Zustand, React Query, and RESTful APIs — shipping functional, data-connected screens **directly into the production codebase**.

Business Development Executive • Full-time

Technocrats India College Finder • Chennai

Feb 2018 – Aug 2022

- Drove revenue growth by executing targeted sales plans, managing client pipelines, and converting leads into long-term institutional partnerships.
- Collected and synthesized **client feedback** to collaborate with product teams on UX improvements — developing an early instinct for translating user pain points into actionable product changes.

PROJECTS

Magikast — AI-Powered Story Generator for Children

Mar 2026 – Apr 2026

Freelance Full-Stack Developer

- Developed a full-stack AI-powered storytelling platform enabling personalized story and avatar generation for children.
- Designed and implemented the complete frontend experience including homepage, avatar generator, story generation & preview flows, payment checkout, and order management pages.
- Built backend services for authentication, prompt orchestration, AI-based image/story generation using Gemini AI and Claude AI, order processing, and Stripe payment integration.
- Implemented automated PDF generation pipelines for downloadable personalized storybooks.
- Leveraged AI-assisted development workflows using Claude Code to rapidly build and ship features, showcasing strong AI-augmented engineering capabilities.

Homeyhuts — Full-Stack Property Booking Platform

Sep 2023 – Oct 2025

Vish Gyana Technology Solutions Pvt Ltd

- Built and maintained a 4-panel full-stack property booking platform (Mobile, User Web, Admin, Host) for thousands of users by unifying React Native, Next.js, and React.js across a shared API layer — reducing duplicate dev effort by ~40% and enabling simultaneous cross-platform releases.
- Architected a secure multi-role auth system with Aadhaar verification and RBAC across 4 user types using SSR/CSR hybrid rendering — improving initial page load by ~35% with zero production auth incidents.
- Delivered 10+ core features (map search, booking lifecycle, earnings tracking, dynamic pricing) by owning end-to-end development with React Query and Zustand, supporting the platform's growth to thousands of active users.
- Built a custom admin CMS and analytics dashboard with real-time charts and multi-step verification workflows — cutting manual ops review time by ~50% and giving the ops team self-serve visibility into platform activity.
- Integrated Razorpay payment gateway and published mobile apps to both Google Play Store and Apple App Store — achieving live payment processing and first-submission store approval.
- Reduced mobile crash rate by ~60% by profiling React Native issues, optimizing async API calls, and implementing retry/fallback logic — directly improving user session retention across platforms.

EDUCATION

B.E. — Mining Engineering

College of Engineering Guindy

Jan 2013 – Jan 2017

HSC

Raja Vignesh HSS

Jan 2011 – Jan 2013

SSLC

Raja Vignesh HSS

Jan 2010 – Jan 2011