

MANI RAJ VELRAJAN

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🌐 portfolio-mani-raj-velrajan.vercel.app github.com/maniraj-v

Frontend Engineer | 5+ Years React Experience | 7.8 Years Total Experience

SUMMARY

Expertise in building responsive, high-performance web applications with modern React patterns, state management solutions, and UI frameworks. Delivered enterprise-grade solutions for US-based clients in Healthcare, Banking, and Telecom, driving business growth and user engagement.

TECHNICAL SKILLS

Frontend Core: React, NextJS, TypeScript, JavaScript, HTML5, CSS3

State Management: Redux Toolkit, Context API, RTK Query, Jotai

UI Frameworks: Tailwind CSS, Material UI, Ant Design, ShadCN

Testing & Performance: Jest, React Testing Library, Lighthouse, Web Vitals

Tools & Practices: Git, CI/CD (Azure DevOps), Agile, Component-Driven Development, Vite, Webpack

EXPERIENCE

Nagarro

Sep 2022 – Present

Associate Staff Engineer

2.5 years

- Engineered a drag-and-drop API/FTP/Schema configuration interface that reduced integration setup time by 70% and eliminated the need for separate microservices, saving \$150K annually in development costs.
- Built a mobile-responsive Idea Portal that streamlined idea submission and approval processes, while featuring a 'Best Idea of the Quarter' program to reward and incentivize innovators
- Built a real-time dashboard monitoring 50,000+ site assets that reduced theft incidents by 35% through automated alert systems, saving approximately \$200K in equipment replacement costs.
- Implemented an automated supplier billing system that reduced processing time by 80% and error rates by 95%, improving vendor relationships and compliance with payment terms.

Legato Health Technologies

Dec 2019 – Sep 2022

Senior Software Developer

2.8 years

- Led the transition of Individual Renewals project from Deloitte to in-house development, reducing operational costs by 66.67% for Anthem while maintaining high system uptime.
- Developed a COVID-response insurance portal that processed 15,000+ short-term plan renewals.
- Built a member migration platform supporting both manual and bulk enrollment from legacy systems with high data integrity, significantly reducing migration time.

Bank of NewYork Mellon Technologies

Aug 2017 – Nov 2019

Application Developer

2.5 years

- Automated report generation using XML and COBOL, reducing manual processing time and delivering multi-tabbed Excel reports to stakeholders through scheduled jobs.
- Developed an alert system for long-running jobs that reduced system outages and improved mean time to resolution through proactive monitoring.

PERSONAL PROJECTS

AI Chatbot for Hackathon | *React, Redux, Material UI, Socket Connection*

- Developed an AI chatbot that speeds up agent-customer chat interactions by providing prompt and quick responses to customer inquiries. This innovative solution was showcased as a representative organization at MWC Barcelona 2023.

Ecommerce Application | *NextJS, React, ShadCN, TailwindCSS*

- Built bilingual (English & Arabic) shopping application with detailed product pages, wishlist, cart, secure checkout with multiple payment gateways, and an admin portal for managing dynamic home banners and coupons.

Area Ranker – Find Top rated Neighborhood places | *NextJS, React, ShadCN, TailwindCSS*

- Developed a responsive web application to catalog, rate, and discover neighborhood places (e.g., restaurants, shops), with interactive user voting to drive engagement and crowdsource top recommendations.

Portfolio Website | *NextJS, Framer Motion, SSG*

- Built portfolio app showcasing experience and project works.

EDUCATION

RMK Engineering College
Bachelor of Engineering

Jul 2013 – Apr 2017
Chennai, India