

# Viraj Merai

FULL STACK DEVELOPER - JavaScript, React JS, Node JS

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## SKILLS

- **JavaScript & TypeScript:** Built scalable full-stack apps using modular JS, and typed TS code with async/await.
- **React JS & Frontend:** Created responsive UI with React, styled using Tailwind CSS, Bootstrap, and Material UI.
- **Node JS & Backend:** Developed RESTful APIs using Node and Express with authentication, and a middleware.
- **3D Web Development:** Designed immersive 3D web experiences using A-frame and Three JS for the interactivity.
- **Database Management:** Managed MySQL, MongoDB, and Firebase for relational, NoSQL, and real-time data.

## WORK EXPERIENCE

### Full Stack Developer

*TalkShopLive*

October 2024 – April 2025

*Canada (Remote)*

- Developed full-stack applications using React.js, Redux, Node.js, and Express.js with TypeScript, creating reusable components and modular architecture, improving state management, resulting in a 20% reduction in development time.
- Built RESTful APIs integrated with PostgreSQL using ORM, caching, rate limiting, query optimization, load balancing, asynchronous handlers, adeptly handling data operations for over 10,000 daily active users with minimal latency.
- Styled interfaces using SCSS, Material UI with Flexbox, Grid layout, design, component libraries, accessibility features—delivering responsive and visually consistent layouts across devices, which improved user engagement by 25%.
- Configured CI/CD pipelines via GitHub using workflow automation, testing, which accelerated release cycles by 40%.

### Full Stack Developer

*Melzo*

August 2021 – April 2023

*India*

- Composed and deployed with team ,10+ AR/VR micro sites utilizing A-Frame.js for WebVR, Three.js for 3D scene rendering, HTML5 semantic elements, and CSS3 for responsive design, optimizing asset delivery, reducing load time.
- Crafted scalable full-stack applications using ReactJS for UI rendering, Node.js for backend logic, Express.js for routing, MongoDB for NoSQL data storage, resulting in a 30% decrease in render delays, and the latency in web requests.
- Illustrated and assessed RESTful API architectures with secure token-based authentication, Merged AWS S3 for media storage, and tuned MongoDB with indexing strategies, Securing a 25% boost in data retrieval and query.
- Mentored 3 interns in full-stack development, led Agile processes, and ensuring 100% on-time objective completion.

### Frontend Developer

*Uavgarage*

May 2020 – July 2021

*India*

- Formulated responsive user interfaces using ReactJS, CSS3, and JavaScript, ensuring 100% browser compatibility across all major browsers (Chrome, Firefox, Safari, Edge) and adhering to WCAG accessibility guidelines, and performance.
- Outlined 30+ reusable functional components using ReactJS, Bootstrap and Material UI for consistent styling, improving the frontend development efficiency, reducing coding hours by 40%, and UI development across the web applications.
- Embedded real-time APIs, leveraging WebSocket and RESTful API services for seamless data fetching and interaction, optimizing the DOM rendering process and achieving a 20% increase in data sync, resulting faster user interaction.
- Configured performance with code-splitting, lazy loading, state management in ReactJS, Improving page speed 35%.

## PROJECTS

### BookWise

*Full Stack Developer*

- Fostered a full-stack web app with React, Node.js, MongoDB, and Tailwind CSS to track books, deliver AI summaries, and support dark/light modes; integrated Firebase auth and optimized APIs, boosting retention 25% and speed 15%.

### Inventory Management

*Full Stack Developer*

- Formed a real-time inventory app with Next.js, React, MongoDB, and Tailwind CSS; enabled CRUD ops, secured roles via Firebase, validated data, and optimized UI, cutting errors by 25%, access issues by 18%, and load time by 20%.

### BooknGo - Hotel/Flight Booking App

*Full Stack Developer*

- Visualized and administered a booking system using React, Node.js, MongoDB, and Firebase; unified 360° room view, enabled tracking, implemented role-based authentication, and improved backend speed by 20%, boosting booking rate.

### Note Taking App

*Full Stack Developer*

- Refined a cloud-based note-taking app using React, Firebase, and Tailwind CSS; adopted Firestore for scalable storage, implemented a component-driven architecture, and boosted data consistency by 30% and user growth by 25%.

## EDUCATION

### Postgraduate Certificate in Web Development

*Conestoga College*

May 2023 – August 2024

**Ontario**

### Bachelor's Degree in Computer Engineering

*Dr. D. Y. Patil College of Engineering*

August 2016 – October 2020

**India**