

# NARENDIRAN E

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## OBJECTIVE

Results-driven MERN Stack Developer with 2+ years of experience building scalable, high-performance web applications. Proven expertise in full-stack development with React.js, Node.js, and MongoDB, delivering enterprise-grade solutions with secure authentication systems and optimized user experiences. Strong background in API development, database design, and modern DevOps practices, including CI/CD automation and cloud deployment.

## EDUCATION

Bachelor of Computer Applications (BCA), Thiruvalluvar University, Vellore, Tamil Nadu. 2017 - 2020

## SKILLS

**Technical Skills:**      **Frontend:** React.js, Redux Toolkit, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Vite, Formik, Yup  
                                 **Backend:** Node.js, Express.js, RESTful APIs, GraphQL (Apollo Server), JWT Authentication, core Java  
                                 **Databases:** MongoDB, MySQL  
                                 **DevOps & Tools:** Git, GitHub Actions, AWS (EC2, CodeDeploy, CodePipeline), Postman, VS Code  
                                 **Testing & Quality:** Jest, Vitest

**Soft Skills:**              Problem-solving & Debugging  
                                 Team Collaboration

## EXPERIENCE

### JUNIOR SOFTWARE DEVELOPER

Wonder Worth Solutions, Vellore. Nov 2024 - Present

- Engineered and maintained two large-scale healthcare SaaS platforms (WWS Business Manager and WWS Nexus CRM) using the **MERN stack**, RESTful APIs, and GraphQL.
- Built and optimized 90+ RESTful and GraphQL endpoints with proper input validation and security best practices.
- Implemented JWT-based authentication with protected routes, token refresh, and role-based access across both applications.
- Delivered 30+ reusable React.js components with Redux Toolkit for scalable state management.
- Resolved over **170+ bugs** (UI, logic, and integration-related) and developed **30+ new features**, including real-time chat, physician referral dashboards, and audit logs.
- Improved application performance by **40%**, reducing API latency and optimizing MongoDB queries.
- Participated in Agile sprints, code reviews, and deployment cycles using GitHub Actions, AWS EC2, and CodeDeploy.

### JUNIOR SOFTWARE DEVELOPER

Author Selvi Software, Vellore. Nov 2023 - Oct 2024

- Developed modular and reusable React.js components with Redux Toolkit for state management.
- Created RESTful backend services with Node.js and Express.js integrated with MongoDB schemas.
- Implemented secure authentication, password hashing, and route protection using JWT and bcrypt.
- Collaborated with cross-functional teams using Git and GitHub in Agile-based delivery cycles.
- Improved app performance by 40% through code splitting, lazy loading, and API optimizations.

## Internship Experience

Apsire Systems, Chennai.

*Jul 2023 - Oct 2023*

- Developed REST APIs for an e-commerce platform using Spring Boot and Java.
- Integrated SQL databases and implemented login/security workflows.
- Collaborated with the team using Git and followed Agile software practices.

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## PROJECTS

### WWS Business Manager

**Tech Stack:** React.js, Node.js, Express.js, MongoDB

- Developed and maintained a secure insurance verification system for healthcare clients with role-based access for **E&B Data Integrity Specialists** and **E&B Caller Specialists**.
- Created 20+ reusable UI components with React.js, improving frontend consistency and reducing development time by 35%.
- Built and maintained 30+ RESTful API endpoints with Node.js and Express for data validation and claim-processing logic.
- Integrated MongoDB for insurance record management with schema validation to reduce data entry errors by 40%.
- Enabled prevention of invalid insurance-based claims, reducing claim rejections by an estimated **25%**.
- Delivered **10+ core features** and resolved over **80+ functional/UX bugs** during the development lifecycle.

### WWS Nexus CRM – Real-Time DME Healthcare Platform

**Tech Stack:** MongoDB, Express.js, React.js, Node.js, GraphQL, Apollo Client, JWT, AWS (EC2, CodeDeploy, CodePipeline)

- **Designed and built the entire application from scratch**, handling architecture, development, testing, and deployment.
- Developed a CRM platform to connect DME providers, patients, and physicians for real-time tracking of equipment orders and referral workflows.
- Built secure GraphQL APIs with Apollo Server and implemented real-time chat and data sync using subscriptions.
- Integrated **JWT-based authentication** with token refresh and role-based access control for different user types.
- Created 25+ reusable frontend components using React.js, Redux Toolkit, and Tailwind CSS for an intuitive, responsive UI.
- Deployed the full stack on AWS EC2 with automated CI/CD pipelines using GitHub Actions and AWS CodePipeline/CodeDeploy.
- Delivered 18+ key modules (referral tracking, order management, role admin, activity logs, RBAC) and resolved over 90+ bugs.
- Achieved a **50% improvement in coordination speed**, reducing manual follow-ups and communication delays.

## Professional Development

Continuously improving my technical and problem-solving skills by exploring industry trends, best practices, and new technologies through platforms like **Medium**.