

# Raja Kumaran

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## Professional Summary

Full Stack Developer with **2.6+ years** of experience building web applications using MERN stack and modern frontend frameworks. Skilled in **React.js, Angular, TypeScript, Node.js, Express.js, PostgreSQL, and MongoDB**. Experienced in developing REST APIs, implementing JWT authentication and role-based access control, and focusing on clean, scalable code in Agile teams.

## Skills

- **Frontend Technologies:** React.js, Next.js, Angular, TypeScript, JavaScript, HTML, CSS, Tailwind CSS, Redux Toolkit, RxJS, React Router, Responsive Design, Progressive Web Apps
- **Backend Technologies:** Node.js, Express.js, RESTful APIs, JWT Authentication, RBAC
- **Database:** MongoDB, Mongoose ODM, PostgreSQL, Indexing, Aggregation, Query Optimization
- **DevOps & Tools:** Git, GitHub, Docker, Webpack, Babel, Jest, React Testing Library
- **Methodologies:** Agile, Scrum, CI/CD, Code Reviews, Secure Coding Practices
- **Languages Known:** English (Fluent), Tamil (Native)

## Experience

### Software Engineer – Doodleblue Innovations | Chennai, India | Mar 2023 – Aug 2025

- Developed full-stack enterprise applications using **React.js, Angular, Node.js, Express.js, PostgreSQL, and MongoDB**.
- Designed and implemented scalable **RESTful** APIs following **MVC** architecture and middleware layering.
- Built **JWT**-based authentication and **RBAC** authorization systems for secure role-based access.
- Optimized PostgreSQL and MongoDB queries using **indexing** and **pagination**, improving API response time by 30%.
- Integrated 100+ REST APIs and improved frontend load time by 25%.
- Implemented **lazy loading**, memoization, and route-based **code splitting** for **performance optimization**.
- Applied structured **error handling**, request validation, and reusable middleware patterns.
- Participated in Agile sprints, peer code reviews, and **deployment** processes.

### Frontend Developer Intern – Doodleblue Innovations | Chennai, India | Jun 2022 – Mar 2023

- Built responsive UI components with HTML, CSS, and React for multiple internal projects.
- Improved mobile usability by 20% through media queries and responsive grid systems.
- Debugged and fixed UI issues, resulting in 30% fewer support tickets.
- Contributed to documentation and knowledge transfer sessions for new team members.

## Projects

### DIGIGRAIN – AgriTech Procurement Platform

**Technologies:** React.js, Redux Toolkit, Tailwind CSS, Node.js, Express.js, PostgreSQL, JWT, RBAC

- Built full-stack procurement system with role-based dashboards and secure JWT authentication.
- Designed scalable REST APIs using Express.js and optimized PostgreSQL schema with indexing and relational modeling.
- Improved workflow efficiency by 35% through optimized UI architecture and API performance tuning.

### **MERADOC – Telemedicine Platform**

**Technologies:** React.js, Redux Toolkit, Tailwind CSS, Node.js, Express.js, MongoDB, PWA

- Developed full-stack telemedicine platform with secure JWT-based authentication and appointment APIs.
- Optimized MongoDB queries using indexing and pagination for faster response times.
- Implemented PWA features (service workers, caching, offline access) and improved load performance by 30%.

### **SANCHU ANIMAL HOSPITAL – Veterinary Platform**

**Technologies:** Next.js, Redux, Node.js, Express.js, MongoDB

- Built full-stack pet care and appointment management system with RESTful backend services.
- Designed efficient MongoDB schemas with indexing for optimized data retrieval.
- Enhanced performance using SSR, dynamic imports, and responsive UI optimization.

### **FINDOC – Fintech Platform**

**Technologies:** React.js, Redux Toolkit, Node.js, Express.js, MongoDB, PWA

- Developed interactive financial dashboard with portfolio management and real-time stock API integration.
- Built secure backend services with Express.js and optimized MongoDB schema design.
- Reduced UI rendering time by 20% and implemented PWA support with offline portfolio access and persistent theming.

### **Miles Education – EdTech Learning Platform**

**Technologies:** Angular, TypeScript, REST APIs, JWT

- Developed modular Angular dashboards and learning modules with RxJS-driven state management.
- Integrated secure JWT-based authentication and REST APIs for real-time course tracking.
- Improved application performance by 25% using lazy loading and route-level optimization.

### **Education**

**Bachelor of Computer Applications** | Madras University (Distance Education) | 2022 to 2024

**Diploma in Electrical and Electronics Engineering** | Sankar Polytechnic College | 2008 to 2011

### **Certifications**

**The Complete Full Stack Web Development Bootcamp** | Udemy – Dr. Angela Yu