

# DHANALAKSHMI R

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## PROFESSIONAL SUMMARY

Full Stack Software Engineer with 2.6+ years of experience specializing in the MERN Stack (MongoDB, Express.js, React.js, Node.js). Expert in architecting scalable web applications, designing RESTful APIs, and implementing high-performance frontend interfaces for enterprise-grade SaaS platforms. Achieved a 40% improvement in database query performance and a 25% reduction in server overhead through targeted system optimizations. Committed to writing clean, maintainable code.

## TECHNICAL SKILLS

- **Frontend Engineering:** React.js (Hooks, Context API), Redux Toolkit, JavaScript (ES6+), HTML5, CSS3, Material UI, Bootstrap 5.
- **Backend Development:** Node.js, Express.js, RESTful API Design, JWT Authentication, PHP, Laravel.
- **Database Management:** MongoDB (Aggregation, Indexing), Mongoose, Firebase, SQL.
- **DevOps & Tools:** Git, GitHub, Vercel Hosting, Hostinger, Postman, NPM.
- **Concepts:** System Design, Microservices, Agile/Scrum, Performance Tuning, Secure Coding.

## WORK EXPERIENCE

### Fourchain Technology

Full Stack Developer (MERN)

Madurai, TN

Mar 2025 – Present

- **System Architecture:** Leading the development of enterprise SaaS platforms, focusing on modular React.js frontend components and scalable Node.js backend services.
- **API Engineering:** Architecting high-performance RESTful APIs to handle complex data transactions, ensuring 99.9% uptime and seamless integration with third-party services.
- **Performance Optimization:** Implementing advanced MongoDB aggregation pipelines to reduce data retrieval latency by 30% for high-traffic modules.

### Hitasoft Private Limited

Web Developer

Madurai, TN

Aug 2024 – Jan 2025

- Developed and maintained large-scale enterprise web applications, enhancing mobile responsiveness and cross-browser compatibility by 40%.
- Optimized backend endpoints and query logic, leading to a 25% reduction in overall API response times.
- Managed application state using Redux to ensure consistent data flow across high-traffic platforms.

### Hello Technology

MERN Stack Developer

Madurai, TN

Aug 2023 – Aug 2024

- Engineered high-traffic management portals using React.js, resulting in a 20% increase in user retention through optimized UI/UX workflows.
- Built a robust school management system, improving database query speed by 40% via efficient indexing and schema design.
- Integrated Razorpay for secure payments and implemented JWT-based authentication for data security.

## KEY TECHNICAL PROJECTS

### Enterprise Dashboard Architecture

React.js, Node.js, Redux, MongoDB

- Developed a centralized dashboard with real-time data visualization and complex filtering mechanisms.
- **Achievement:** Scaled the platform to support 5,000+ active users with sub-second response times.

### Kumar Herbals (E-commerce Architecture)

React.js, Node.js, Razorpay

- Led full-stack development from inception to deployment, resulting in a 35% increase in online sales.

#### **Automated CRM & Notification Engine**

*Express.js, Nodemailer, MongoDB*

- Built a server-side engine using Nodemailer to automate customer communications and reminders.

### **EDUCATION & CERTIFICATIONS**

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**B.E. in Electronics and Communication Engineering (8.0 CGPA)** **2018 – 2022**

SACS MAVMM Engineering College, Madurai

**HSC | Higher Secondary (77%)** **2018**

Xavier Matriculation Higher Secondary School, Madurai

**SSLC | 10th Grade (86%)** **2016**

Xavier Matriculation Higher Secondary School, Madurai

**Certification in Front End Development** | S7R Technology, Madurai **2023**

**React Developer Internship** | Senchola University, Bangalore **2023**