

# ROHITH KRISHNAN

Full Stack Developer — MERN Stack

+91 9645950059 | rohithkrishnan.dev@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## PROFESSIONAL SUMMARY

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Full Stack Developer specializing in the MERN stack with proven experience delivering scalable, production-grade web applications with real-time capabilities, secure authentication, and high-performance APIs. Strong track record of building end-to-end systems from architecture design to deployment, integrating payments and third-party services, and optimizing performance for faster user experiences. Passionate about clean code, system design, and solving complex engineering problems that drive business impact.

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3

**Frontend:** React.js, Redux Toolkit, Tailwind CSS, Responsive UI, Performance Optimization

**Backend:** Node.js, Express.js, REST API Design, MVC & Layered Architecture

**Database:** MongoDB, Mongoose, MongoDB Atlas, Schema Design

**Auth & Security:** JWT, OAuth, Bcrypt, HTTP-only Cookies, CORS, Rate Limiting

**Real-Time:** Socket.IO, WebSockets

**Integrations:** Razorpay, Google Maps API, Web Speech API

**Cloud & Tools:** AWS (EC2), Vercel, Git, GitHub, Postman, VS Code

## PROJECT EXPERIENCE

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**Pepperpot** — Real-Time Food Ordering Platform (Freelance)

**Tech:** MERN, TypeScript, Socket.IO, Razorpay, Google Maps API

- Architected and delivered a production-grade food ordering platform supporting real-time order tracking and automated admin notifications.
- Designed scalable RESTful APIs and modular backend services using Node.js and Express, enabling efficient order processing and user management.
- Implemented secure authentication and authorization using JWT with encrypted password storage via Bcrypt.
- Integrated Razorpay payment gateway to support secure online transactions and checkout workflows.
- Built real-time communication system using Socket.IO, eliminating manual status updates and improving operational efficiency.
- Implemented lazy loading for performance improvement.
- Optimized frontend responsiveness using debouncing and efficient state management.
- Integrated Google Maps API for delivery tracking and route optimization.
- Strengthened application security with rate limiting, request validation, and dynamic CORS configuration.

**Smart Agro** — Scalable E-Commerce Platform (Freelance — Built during Bootcamp)

**Tech:** MERN, Redux Toolkit, Google OAuth

- Developed a full-stack e-commerce application supporting product browsing, filtering, cart, and checkout features.
- Implemented Google OAuth authentication to streamline user onboarding and improve login security.
- Built advanced product search, filtering, and pagination to enhance discoverability and user experience.
- Managed global application state using Redux Toolkit for predictable data flow across modules.
- Collaborated within a multi-developer environment using Git workflows and code reviews.

**CrackIt** — Interactive Interview Preparation Platform

**Tech:** MERN, Web Speech API

- Engineered a voice-enabled interview practice platform leveraging speech recognition for real-time interaction.
- Designed scalable layered backend architecture to support feature extensibility.

### **Gym Buddy** — Equipment E-Commerce Application

**Tech:** *Node.js, Express.js, MongoDB, EJS*

- Built a server-rendered e-commerce system using MVC architecture.
- Implemented product catalog, cart management, and order processing workflows.
- Designed MongoDB schemas for scalable product and user data management.

## **PROFESSIONAL EXPERIENCE**

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### **Development Manager** — SBI Life Insurance | *Jan 2023 – May 2024*

- Led and mentored a team of 15 members, driving performance improvements through structured planning and accountability.
- Developed strong leadership, communication, and project coordination skills transferable to cross-functional engineering teams.
- Managed performance tracking and reporting processes, improving operational efficiency.

### **Marketing Executive** — Elanadu Milk | *Jul 2021 – Jul 2022*

- Executed marketing initiatives that increased customer engagement and regional visibility.
- Strengthened project execution and stakeholder coordination capabilities.

## **EDUCATION & TRAINING**

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### **Full Stack Development Bootcamp (Self-Learning Platform)** | *Aug 2024 – Aug 2025*

Industry-level weekly code reviews conducted by expert practitioners. Covered full-stack MERN development, clean architecture, and real-world project delivery.

### **Master of Business Administration** — APJ Abdul Kalam Technological University | *Sep 2018 – May 2020*

### **Bachelor of Commerce** — Kerala University | *Sep 2014 – May 2017*

## **LANGUAGES**

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English, Malayalam