

Arjun M B

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Professional Summary

Self-taught MERN Stack Developer with hands-on experience building responsive and scalable web applications. Skilled in React.js, Node.js, Express.js, MongoDB, and REST API development. Strong foundation in component-based architecture, authentication, state management, and backend logic. Developed a complete e-commerce platform with Razorpay integration and full order workflows. Quick learner with strong debugging and problem-solving abilities, currently expanding skills in React Native.

Technical Skills

Frontend Development: JavaScript, TypeScript, React.js, Redux, Redux Toolkit, JSX/TSX, Tailwind CSS, CSS3, Bootstrap, HTML5

Backend Development: Node.js, Express.js, MVC Architecture, Clean Architecture, REST API, Socket.io

Databases: MongoDB, Mongoose, PostgreSQL (Basic)

Tools & Platforms: Git, GitHub, Postman, Chrome DevTools, AWS (Basic)

Projects

InfinityTech — E-Commerce Laptop Selling Platform GitHub

- Developed a full-featured e-commerce platform with product listings, category filtering, cart, check-out, order management, refunds, and admin controls.
- Integrated Razorpay payment gateway with secure order workflows including Delivered, Cancelled, and Return Requests.
- Implemented secure authentication (JWT), role-based access, Razorpay payments, inventory management, and offer/discount modules.
- Integrated AWS S3 for media storage, Cloudinary for image optimization, EJS for server-side rendering, and Docker for containerization.
- **Tech Stack:** JavaScript, Node.js, Express.js, EJS, MongoDB, Mongoose, Razorpay, OAuth 2.0, Cloudinary, JWT, AWS S3, GitHub

Chatify — Real-Time Chat Application (MERN) GitHub

- Built a real-time chat application with one-to-one messaging, online/offline presence indicators, and typing status updates using Socket.io.
- Implemented custom JWT-based authentication without third-party providers and enforced secure user authorization.
- Integrated real-time notifications and typing sounds with user-controlled toggle functionality.
- Enabled media sharing with Cloudinary image uploads and automated welcome emails on user signup using Resend.
- Developed scalable REST APIs with Node.js and Express, implemented API rate limiting using Arcjet, and ensured reliable data persistence with MongoDB.
- Designed a modern, responsive UI using React, Tailwind CSS, and DaisyUI, with global state management handled via Zustand.
- Followed Git and GitHub workflows including feature branches, pull requests, code reviews, and streamlined deployment.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Socket.io, JWT, Cloudinary, Resend, Arcjet, Zustand, Tailwind CSS, DaisyUI, Git, GitHub

Weather Application — Node.js + API Integration GitHub

- Built a real-time weather application with city-based search, live temperature mapping, and detailed

weather information using OpenWeather API.

- Implemented robust error handling for invalid city inputs, API failures, and network issues to ensure reliable user experience.
- Designed server-side rendered views using EJS and structured backend logic using Express and RESTful APIs.
- Ensured clean request handling and modular routing for scalability and maintainability.
- **Tech Stack:** Node.js, Express.js, REST APIs, OpenWeather API, EJS

Other Mini Projects

- **OLX & Netflix Clone:** React applications with authentication, dynamic routing, reusable components, and Firebase integration.
- **CRUD Application:** MERN-based CRUD system with JWT authentication, Cloudinary image uploads, and Tailwind CSS UI.
- **TODO App & User Management System:** MERN-based CRUD applications with authentication.

Education

Brototype — MERN Stack Development	Aug 2024 – Present
KTU — B.Tech in Instrumentation and Control Engineering GPA: 6.8	Aug 2016 – May 2020

Certifications & Additional

- Industrial Automation Certification — Sofcon India Pvt Ltd (Oct 2022 – May 2023)
- Version Control: Git / GitHub workflows (feature branches, pull requests)
- Testing & Debugging: Chrome DevTools, console debugging, basic unit testing awareness
- Languages: English (Intermediate), Malayalam (Native)

Experience

Sales and Service Engineer — Proteogen Health Science, Bangalore	Oct 2023 – May 2024
<ul style="list-style-type: none">• Delivered technical support, installation, and troubleshooting of lab equipment, strengthening analytical and problem-solving skills.• Collaborated with cross-functional teams to ensure timely issue resolution and smooth deployments.	

Service Engineer — Ultra Instruments, Bangalore	Jul 2022 – Sep 2023
<ul style="list-style-type: none">• Performed on-site technical support and configuration, translating technical requirements into practical solutions.• Maintained service documentation and communicated progress updates with stakeholders.	