Karthika KL

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Summary

Full Stack Developer skilled in building scalable web applications using the MERN stack. Proficient in creating responsive, high-performance interfaces and developing robust backend systems. Experienced in integrating RESTful APIs and writing clean, efficient code for seamless user experiences.

Technical Skills

- **Programming Languages:** JavaScript (ES6+), TypeScript, C++

- **Frontend Development:** ReactJS, HTML5, CSS3, EJS, Redux, Tailwind CSS, Next.js, Framer Motion

- **Backend Development:** Node.js, Express.js, RESTful APIs, WebSocket, JWT, GraphQL

- **Database:** MongoDB (NoSQL), PostgreSQL (SQL), Firebase, DBMS

- **Deployment:** AWS (EC2, Route 53, S3), Cloudflare R2, Docker

- **Architecture:** MVC Architecture, Clean Architecture

- **Core Concepts:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP)

- **Tools:** Git, GitHub, Figma, Postman

Experience

MERN Stack Developer Intern   July 2024 – Present
Velocity Interior, Bengaluru (Remote)

- Collaborated within a team to build a **SaaS-based Work Analyzer** web platform serving multiple interior design companies, covering both employer and customer modules.
- Independently developed the core **Finance Section**, which included:
    - **Estimate Management System** – enabled creation, editing, and tracking of project estimates.
    - **Expense Management System** – handled recording, categorization, and analysis of project expenses.
    - **Payment Management System** – managed client payments, due tracking, and payment history.
- Initiated development of a **real-time chat system** using Socket.io, including data modeling and initial backend setup.
- Enhanced the **Customer Module** with project tracking and communication features to improve client transparency.
- Built and integrated **file and folder management** functionalities from scratch using React, Node.js, Express.js, and MongoDB.
- Guided team members during feature development and ensured smooth frontend–backend integration.
- Gained hands-on experience in full-stack development, SaaS architecture, and cloud integration.

Projects

E-commerce Website: Selling Shoes   [github.com/Kicks-Co](#)

- Designed and developed a feature-rich e-commerce website with admin and user panels, integrated Razorpay payment gateway, and user authentication.
- Followed MVC architecture for organized backend development covering products, users, orders, and offers.
- Enabled image uploads using Multer and integrated email notifications through Nodemailer.
- Tools: MongoDB, Express.js, Node.js, HTML, CSS, EJS, Razorpay API, Multer, Nodemailer.

Heyyo:Real-time Chat Application   github.com/Heyyo-app

- Built a secure and scalable chat platform using the MERN stack and Socket.IO for real-time messaging.
- Implemented JWT authentication, protected API routes, and responsive UI with Tailwind CSS.
- Integrated Cloudinary for image storage and added features like typing indicators and online status tracking.
- Designed and implemented RESTful API endpoints for message, chat, and user routes using Express.js and MongoDB.
- Tools: ReactJS, Node.js, Express.js, MongoDB, Tailwind CSS, Socket.IO, JWT, Cloudinary.

Education

Government Engineering College, Thrissur   2018 – 2022

B.Tech in Electronics and Communication Engineering

Training & Practical Experience

MERN Stack Development   Sept 2023 – Feb 2025

Brototype, Kochi

- Built multiple full-stack projects simulating real-world development environments, gaining hands-on experience equivalent to 1 year in the industry.
- Covered key industry-relevant modules including JavaScript, TypeScript, React, Node.js, DBMS, RESTful APIs, and Git.
- Practiced Data Structures and Algorithms (DSA) regularly to improve problem-solving and coding efficiency.