AMAL A K

MERN Stack Developer | React | Typescript | JavaScript | Node.js | Express.js | MongoDB | Full Stack Developer

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PROFESSIONAL SUMMARY

MERN Stack Developer with hands-on experience in building full-stack web applications using React, Node.js, Express, and MongoDB. Skilled in designing scalable front-end interfaces and integrating robust backend systems. Strong understanding of RESTful APIs, state management with Redux, and real-time communication using Socket.IO. Passionate about clean code, responsive design, and continuous learning.

EXPERIENCE

Relaxplzz Technologies   Thiruvananthapuram
MERN Stack Developer   April 2025 – August 2025

- Developed and maintained the Gift Management module for the GiftoMart platform, a core feature enabling users to create, manage, and track gifts.

- Designed and implemented backend APIs using JavaScript (Node.js) for secure gift operations, including CRUD functionalities and business logic.

- Built interactive and user-friendly frontend interfaces in TypeScript (React) with Tailwind CSS, ensuring seamless user experience for gift management tasks.

- Collaborated with cross-functional teams to integrate the Gift Management module with other platform features and optimize performance.

- Followed best practices in code quality, documentation, and version control (Git/GitHub).

SciPy Technologies   Thiruvananthapuram
MERN Stack Developer   June 2023 - January 2024

- Engineered a microservices-based ERP application using Node.js and Express.js, enhancing scalability and API performance.

- Developed responsive interfaces with React.js, React-Bootstrap, and CSS3, improving UX across devices.

- Employed Redux for centralized state management and integrated MongoDB for optimized data handling.

- Implemented RESTful APIs, conducted testing with Postman, and used Axios for efficient client-server communication.

- Delivered a 25% improvement in backend response time and a 40% increase in front-end responsiveness.

PROJECTS

GiftoMart

- Comprehensive gift management platform featuring user authentication, gift creation/tracking, and real-time updates. Full-stack development utilizing Node.js, Express.js, MongoDB Atlas for the backend and React, TypeScript, Tailwind CSS for the responsive frontend.
- **Stack**: Node.js, Express.js, MongoDB Atlas, TypeScript, React, Tailwind CSS, REST APIs, GitHub

ERP for Educational Institute

- Developed a microservices-based ERP web application to manage educational workflows. Focused on building RESTful APIs, admin dashboards, and improving system scalability and response times.
- **Stack**: React.js, Node.js, Express.js, MongoDB, Redux

E-Commerce Platform [GitHub]

- Developed a scalable full-stack e-commerce platform with features like product catalog, cart management, user auth, and admin dashboard.
- **Stack**: React, TypeScript, Node.js, Express, MongoDB, Tailwind CSS

Dice Game [GitHub] [Live]

- Interactive React-based dice game that includes score tracking and conditional rendering with modular components.
- **Stack**: React, CSS Modules, JavaScript, Vercel

To-Do App [GitHub] [Live]

- Built and deployed a full-stack to-do application using MongoDB, Express.js, React.js, and Node.js. Responsible for both front-end and back-end development, including secure user authentication, responsive UI, and database integration. Deployed on Render for scalable cloud hosting.
- **Stack:** MongoDB Atlas, Express.js, React.js, Redux, Redux-Toolkit, Node.js, Tailwind CSS, Render

TECHNICAL SKILLS

- **Front-end Development:** React.js, Redux, React-Bootstrap, Tailwind CSS, HTML5, CSS3, Vite
- **Back-end Development:** Node.js, Express.js, MongoDB, REST APIs
- **Programming Languages:** JavaScript, TypeScript
- **Development Tools:** Git, GitHub, Postman, Axios
- **Real-time & Cloud Services:** Socket.IO, Firebase, Render, Vercel, Netlify

EDUCATION

- MCA - Indira Gandhi National Open University, 2021-Present
- BSc Computer Science - Emmanuel College, Vazhichal, 2018-2021