

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.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS

Front-end: React.js, Redux, React-Bootstrap

Back-end: Node.js, Express.js, MongoDB

Tools: Git, GitHub, Postman, Axios

Others: Socket.IO, REST APIs, Firebase, Vite

EDUCATION

MCA – Indira Gandhi National Open University, 2021–Present

BSc Computer Science – Emmanuel College, Vazhichal, 2018–2021

EXPERIENCE

Full Stack Developer Intern – Relaxplzz Technologies • April 2025 – Present

- Learned and applied TypeScript and Tailwind CSS in a real-world e-commerce project.
- Developed and deployed a real-time chat application using WebSocket and Socket.IO.
- Contributed to an internal web application project using React (with TypeScript) and Tailwind CSS for the frontend, and Node.js, Express.js, and MongoDB for the backend.

MERN Intern – Scipy Technologies • 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.
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PROJECTS

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, 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

Real-time Chat App [[GitHub](#)]

Built a real-time messaging application with Socket.IO, supporting user authentication, notification system, and context-based state.

Stack: React, TypeScript, Socket.IO, Node.js, Express, MongoDB, Tailwind CSS

Dice Game [[GitHub](#)]

Interactive React-based dice game that includes score tracking and conditional rendering with modular components.

Stack: React, CSS Modules, JavaScript

LANGUAGES

English, Malayalam, Tamil, Hindi