AMAL A K

MERN Stack Developer | React | Next.js | 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 scalable, responsive, and efficient full-stack web applications using React.js, Next.js, Node.js, Express.js, and MongoDB. Skilled in developing modern, accessible frontends with Tailwind CSS and shadcn/ui, and managing structured databases using PostgreSQL, Prisma ORM, and NeonDB. Passionate about clean code, backend optimization, and AI-assisted development workflows using Cursor AI, Windsurf AI, and VS Code.

EXPERIENCE

MERN Stack Developer, Relaxplzz Technologies - Technopark   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).

MERN Stack Developer, SciPy Technologies - Trivandrum   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.

PROJECTS

FinSight – Personal Finance Tracker [GitHub] [Live]

- Developed a finance tracking application to monitor income, expenses, and category-based insights.
- Built using Next.js (TypeScript) with Tailwind CSS and shadcn/ui for a modern, responsive, and accessible UI.
- Implemented Prisma ORM with PostgreSQL for efficient and scalable database operations.

- Followed assignment guidelines that excluded authentication for simplified review.
- Deployed the project on Vercel, ensuring fast load performance and automated CI/CD deployment.
- **Stack:** Next.js (TypeScript), shadcn/ui, Tailwind CSS, PostgreSQL, Prisma ORM, NeonDB, Vercel

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]

- Built and deployed an 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

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TECHNICAL SKILLS

- **Front-end :** React.js, Next.js, Redux, shadcn/ui, Tailwind CSS, React-Bootstrap, HTML5, CSS3, Vite
- **Back-end :** Node.js, Express.js, MongoDB, PostgreSQL, NeonDB, Prisma ORM, RESTful APIs
- **Programming Languages :** JavaScript, TypeScript
- **Development & AI Tools :** VS Code, Cursor AI, Windsurf AI, Git, GitHub, Postman, Axios
- **Real-time & Cloud Services :** Socket.IO, Firebase, Render, Vercel, Netlify

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EDUCATION

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