

# Alan Thomas

MERN Stack Developer

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☎ +91 6238530573    🌐 Portfolio    in LinkedIn    🐙 GitHub

## Profile Summary

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I am a self-taught and passionate full stack web developer with hands-on experience in building modern web applications using the MERN stack. Skilled in both front-end and back-end development, I have completed multiple real-world projects and enjoy solving problems through clean and efficient code. Quick learner, detail-oriented, and a team player committed to continuous growth and innovation.

## Technical Skills

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**Frontend:** HTML5, CSS3, JavaScript (ES6+), Next.js, React.js, Redux, Tailwind CSS, Bootstrap, Responsive Design

**Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication, Socket.io, TypeScript, Firebase

**Tools & Others:** MongoDB, Mongoose, Git, GitHub, Postman, VS Code, Linux (Basic), Cloud Deployment

## Projects

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### YouTube Clone

[Live](#) | [GitHub](#)

Built a **YouTube-inspired video platform UI** with React.js and Tailwind CSS, featuring a responsive design and clean component structure.

- Developed **modular components** (Navbar, Sidebar, Feed, Video Player, Recommendations) with interactive features like **sidebar toggle** and video browsing.
- Integrated **React Router** for smooth client-side navigation and dynamic video rendering.
- Focused on **UI/UX, responsiveness, and performance optimization** using Vite for fast development and builds.
- Used **Vite** for fast builds and optimized development workflow

### Doctor Appointment System

[Live](#) | [GitHub](#)

Developed a fully functional doctor appointment platform using the stack MERN with secure authentication and role-based access.

- Implemented JWT-based authentication and authorization for **admin, doctor, and user roles**, ensuring data security and controlled access.
- Used **React useContext** for global state management, improving scalability and code maintainability.
- Designed a **responsive, user-friendly UI** with Tailwind CSS for seamless booking, scheduling, and management workflows.

### E-Commerce Website

[Live](#) | [GitHub](#)

Built a **full-stack e-commerce web application** with separate **admin and user modules**, including product management, cart, orders, wishlist, and offers.

- Implemented **session-based authentication & authorization** with role-based access for **admin and users**, ensuring secure and persistent logins.
- Implemented shopping cart, checkout process, and payment integration.
- Developed **RESTful APIs** for user management, product CRUD, cart, and order workflows, with middleware for session validation and file uploads (multer).
- Structured the project with a **scalable MVC architecture** (controllers, models, middleware), improving maintainability and modularity.
- Designed a **responsive front-end** using EJS and CSS with an **admin dashboard** for managing brands, categories, coupons, and offers.

Developed a **Netflix-inspired streaming platform UI** using React.js with **real-time movie/TV data integration** from the TMDB API.

- Implemented **Firebase authentication and hosting** to enable secure login, signup, and user session management.
- Designed a **responsive UI** with Tailwind CSS, including features like **banner previews, category rows, and movie details** similar to Netflix.

## Experience

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### Full Stack Developer Trainee

May 2024 - May 2025

Prototype - Calicut

- Completed intensive one-year training focused on full stack web development.
- Built multiple real-world projects using MongoDB, Express, React, and Node.js.
- Gained hands-on experience with REST APIs, JWT authentication, and database design.
- Practiced Agile development methodology and version control with Git.
- Successfully deployed full-stack applications to cloud platforms.

## Education

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### Vocational Higher Secondary Education

2017 - 2019

REC GVHSS Chathamangalam