

# ANANTHU MOHAN

## MERN Stack Developer

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### Professional Summary

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Full Stack Developer with expertise in MERN Stack, skilled in building scalable web applications. Proficient in JavaScript (ES6+), HTML5, CSS3, and tools like Webpack and Babel. Strong in RESTful APIs, authentication (OAuth), and database management (SQL/NoSQL). Experienced in creating reusable components, optimizing performance, and collaborating in team environments. Familiar with TypeScript and cloud platforms like AWS.

### Technical Skills

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- **Language and frameworks** : JavaScript, TypeScript, SQL/NoSQL, Express.js
- **Front End Development** : React.js, Redux, Redux Toolkit, WebRTC, WebSocket, HTML, CSS, Tailwind, Next
- **Back End Development** : Node.js, Express.js
- **Database** : MongoDB, PostgreSQL
- **Tools** : Git, GitHub, VS Code, Figma, MUI
- **Familiar With** : Data Structure, MVC Architecture, Repository Architecture, Postman, AWS, Razorpay, Stripe, Firebase, JWT, NGINX, PM2

### Experience

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#### Freelance Developer

January 2025 – Current

Collaborating with diverse clients to devise and execute strategies that greatly enhance their business operations and performance.

### Projects

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#### FITFUSION - Fitness Training Platform

[Client](#), [Server](#)

FitFusion is a fitness platform designed to help users achieve their health goals through personalized fitness classes and diet plans provided by certified trainers. The platform also features real-time messaging and video chat capabilities, allowing users to interact with trainers and fellow participants for a more engaging and supportive fitness experience.

- FitFuSion is build with the latest technologies like **React.js**, **Node.js**, **MongoDB**, **Express.js**. This project is structured into three portals user, admin and trainer
- This application includes features like access to fitness training videos and healthy diets. Users can subscribe to the trainers to access premium content and chat with the trainers.
- Integrated **real-time interaction** between trainers and users through **Socket.io** and **WebRTC**, allowing for seamless video calls..
- Integrated third-party libraries **Stripe** for fast and secure payment.
- Integrate **AWS S3** for storing video and multimedia content using the **Presigned URL method**.

**Technologies used** : Node.js, TypeScript, React.js, Express.js, Redux, JWT, MongoDB, S3, Repository Architecture, Stripe, MUI, Formik, Bootstrap, Git, NGINX, AWS

#### VUEPIX - E-commerce Website

[Source Code](#)

VuePix is an e-commerce website dedicated to the sale of eyewear products, allowing customers to browse and purchase items online. The application provides a user-friendly interface in which customers can easily browse

various eyewear products, view detailed descriptions and images, and make secure purchases. VuePix aims to offer a seamless shopping experience by providing intuitive navigation, convenient search options, and secure payment gateways.

- Developed and launched a fully operational **e-commerce** platform focused on eyewear retail, designed to deliver a seamless online shopping experience.
- Prioritized user convenience by implementing an intuitive shopping cart, a seamless checkout process, diverse payment methods, and the ability for users to modify or cancel orders.
- Engineered a robust admin panel integrated with a comprehensive order management system, ensuring efficient control over products, orders, and user accounts.
- Leveraged **AWS Cloud Service**, along with **Nginx** and **PM2** for deployment, resulting in a high-performing, reliable, and secure platform with the capacity for seamless scalability.

**Technologies Used:** Node.js, Express.js, MongoDB, Razorpay, EJS, HTML, CSS, AWS, Nginx, Chart.js, Git, PM2

## MINI PROJECTS

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### jobify

[Github](#)

- **Jobify** is a **MERN stack** web app that allows admins to manage **companies** and **job listings**. Admins can **log in**, **add**, **update**, **delete**, and **view** both companies and jobs.
- The app features **token-based authentication**, **table pagination**, and a **well-structured** front-end and back-end architecture for seamless performance.

### Aadhar OCR System

[Github](#)

- **Efficient Data Extraction** : Built a system using **Tesseract.js** for **OCR** to extract details such as name, date of birth, sex, pincode and Aadhar number from uploaded **Aadhar card** images.
- **Tech Stack Implementation:** Developed the project using **MERN Stack** with **React.js** for the **frontend**, **Node.js** and **Express.js** with **TypeScript** for the **backend**, **Multer** for file uploads, and deployed on a server managed with **Nginx** and **Git** for version control.

### Note App

[Github](#)

- Developed a note application using Flutter, BLoC for state management, and **Node.js** as the **backend** to provide users with a seamless note-taking experience.
- Implemented features to switch between dark mode and light mode, enhancing user comfort and accessibility

### Netflix - Video streaming platform

[Github](#)

- It's a real time netflix clone build with react and **TMDB API**.
- It also includes live movie trailer playing with **React Player**.

### OLX - Buy and sell products

[Github](#)

- User interactive platform to buy or sell products.
- Integrated **firestore** database and utilized **firebase authentication** for seamless user experience.

## EDUCATION

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**Diploma in Computer Engineering** - Government Polytechnic College, Cherthala, Alappuzha (2020-2023)