

AFSAL MADATHINGAL

MERN Stack Developer

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 [LinkedIn](#)  [Portfolio](#)  [GitHub](#)

Profile Summary

Self-taught MERN stack developer with 1+ years of hands-on experience in building full-stack applications using React.js, Node.js, Express.js, MongoDB, and JavaScript. Passionate about collaborating on web development projects and eager to contribute my skills to a dynamic team focused on growth and innovation.

Technical Skills

Languages & Runtimes	: JavaScript, TypeScript, Node.js
Frameworks & Libraries	: Express.js, React.js, Socket.IO
Front-End Development	: Bootstrap, Tailwind CSS, Redux Toolkit, HTML, CSS
Databases & ORM	: MongoDB, PostgreSQL, Mongoose, SQL
Familiar With	: Linux, AWS, Nginx, Google Cloud, Digital Ocean, Firebase, Docker, Kubernetes JWT, Figma, Adobe Photoshop, Postman, MVC, Git, GitHub, RESTful API, Material UI, OOPs, GitHub, Vite, Next.js, Microservice, RabbitMQ ,CI/CD

Projects

Work From Hub - Booking Platform (*MERN Stack*)

[GitHub](#) [Live Link](#)

A full-stack coworking space booking platform with three user roles: Business Users (list spaces), Admins (manage platform), and Normal Users (book spaces).

- Built with **MERN** stack and **TypeScript** using the **Repository** Pattern for scalable architecture.
- Real-time chat with **Socket.io** and secure payments via **Stripe**.
- Integrated **AWS S3** for image and video storage.
- Frontend: **React, Tailwind CSS, Next UI, Material UI**.
- Backend: **Node.js, Nginx, PM2**, deployed on multiple **cloud** platforms for high performance.

Our Shop - Ecommerce Website (*MVC NODE + View Engine*)

[GitHub](#) [Live Link](#)

Developed a fully functional **E-commerce application** using **Node.js** and **Express.js**, implementing essential features like product management, cart operations, offers, coupons, and secure payments with **Razorpay**. The application follows the **MVC pattern** for structured server-side rendering with **Handlebars** and **CSS** for styling.

- Built an **admin panel** for managing products, orders, offers, and user data with sales analytics.
- Implemented **real-time chat** using **Socket.io** for seamless customer support.
- Integrated **Razorpay** for secure and efficient payment processing.
- Utilized **MongoDB** for handling user, product, and transaction data.
- Successfully deployed on **AWS EC2, Google Cloud, and Digital Ocean** for scalability and high availability.

Multifaceted Web Application

[GitHub](#) [Live Link](#)

Developed a web application with features including blog creation, video downloading, PDF conversion, audio file conversion, RSS feed generation, sitemap creation, and text-to-audio conversion. Implemented an admin panel for blog management and various **APIs** for enhanced functionality.

- Used the **sharp** npm package to enable **PDF** conversion capabilities.
- Integrated **ffmpeg** for converting audio files, providing a comprehensive API for this functionality.
- Implemented **text-to-audio** functionality using the **Voice maker API**, allowing users to listen to blog content.

Mini Projects

- **Anonymous Message App**

[GitHub](#)

Developed an anonymous messaging web application using the **MERN** stack. In this application, users can sign up and create an account to receive anonymous messages. Upon registration, they are provided with a unique link that anyone can use to send them anonymous messages.

- **Image Analyze App**

[GitHub](#)

Developed an image analyzer app using React.js and **Node.js**, integrated with a **Claude API**. The app allows users to send a specific prompt and an image to the **API**, analyze the response, and display detailed information about the image

- **AI Chatbot**

[GitHub](#)

Developed an AI chatbot using **Node.js**, **Express.js**, **Handlebars** and **API** integration. The chatbot provides intelligent responses and real-time interactions

- **Api For Searching YouTube**

[GitHub](#)

Developed an **API** for searching YouTube using **Node.js**, **Express.js**, and **Puppeteer** for web scraping. The API retrieves search results by **automating** YouTube search queries and delivers the data efficiently.

- **Song Finder Application**

[GitHub](#)

Developed a Song Finder application using Node.js and Express.js, integrated with the Shazam **npm** package to identify songs from audio inputs. Utilized **HBS** as the view engine and **FFmpeg** for audio conversion to support various input formats.

- **Other Mini Projects**

- **OLX** using ReactJS and **Firestore**
- **Netflix** using ReactJS and **Firestore**
- Weather App Using **Open weather API**
- User Management App Using NodeJS and Express.JS
- Spotify Clone with **ReactJS**
- **Portfolio** website using **ReactJS**
- **Chrome Extension Automate LinkedIn**

[GitHub](#)

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Education & Certifications

MERN Stack Development

2023 – Present

Brototype, Calicut, Kerala

Higher Secondary Education

2012 – 2014

Govt Higher Secondary School, Ponnani, Kerala

Achievements/Awards

- **Bug Bounty Award**

Recognized by the **Upstox Security Team** for identifying and reporting a critical **security vulnerability**, classified as HIGH severity under **OWASP** standards. Awarded bounty for the discovery.

Work History

MERN Stack Developer (Freelance)

02/2025 - 02/2025

Codefrace / Kerala, India

Data Entry Clerk

08/2019 - 07/2023

Saudia Group of Companies / Doha, Qatar