

Mammen Mathew

Full-Stack Developer (MERN)

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GitHub | Portfolio | LinkedIn

Professional Summary

Full-stack developer specializing in the MERN stack, experienced in building cloud-native applications with clean architecture and scalable design. Skilled in RESTful APIs, state management, DevOps, and performance optimization. Passionate about automation and real-time collaboration.

Technical Skills

Programming Languages: JavaScript (ES6+), TypeScript

Frontend Development: React.js, Tailwind CSS, Redux/Redux Toolkit, ShadCN UI, TanStack Query, WebRTC, HTML5, CSS3, SASS/SCSS

Backend Development: Node.js, Express.js, RESTful APIs, Socket.io, JWT Authentication

Databases: MongoDB, PostgreSQL, Redis, Mongoose ODM, Fire store

DevOps & Cloud: Docker, CI/CD, AWS (EC2, S3, Lambda), GCP, Firebase, Vercel, Netlify, Render,

Testing & Tools: Jest, Git, GitHub Actions, Postman, npm, Rollup.js

Architecture & Methodologies: Clean Architecture, MVC Pattern, SOLID Principles, Agile/Scrum

Projects

Octaview – B2B SaaS Job Recruitment Platform

Live | GitHub | NPM

- Its a scalable B2B SaaS platform that integrates job listings into company websites via an npm package.
- Built an admin dashboard for HR teams to post job requirements, shortlist candidates, and schedule interviews.
- Applied **Redux Toolkit** and **TanStack Query** for efficient state management across the application
- Implemented an automated email system to notify candidates at each stage of the hiring process.
- Integrated a real-time video interview platform using **WebRTC** and a collaborative code editor with **Monaco Editor** and **Yjs (CRDT)**.
- Followed **Clean Architecture** and **SOLID Principles** to cleanly separate business logic.
- Deployed in a **multi-cloud architecture**:
 - * **AWS** – **EC2** for backend services and **S3** for storage.
 - * **GCP** – Self-deployed code execution sandbox with **Redis** (Queue and Cache)
 - * **Vercel** – Seamless frontend deployment.
- Implemented secure payment processing with **Stripe**.
- Dockerized the platform and automated deployments using **GitHub Actions** for CI/CD.

E-Commerce Platform

Live | GitHub

- Built a full-featured e-commerce platform using **Node.js**, **Express.js**, **MongoDB**, **EJS templates**, and **Bootstrap**.
- Created a comprehensive admin dashboard with **data visualization** for monitoring sales, inventory, and user metrics.
- Implemented secure payment processing with **Razorpay API** and developed a wallet system with transaction history.
- Built a flexible coupon management system with time-based validity, usage limitations, and discount calculations.
- Designed a CMS for dynamic content management allowing admin configuration of promotional banners and featured products.

Mini Projects

Loggasm (NPM Package)

NPM | GitHub

- Developed an **Express error-handling middleware** that displays meaningful error messages with memes.
- Integrated **OopsLog**, an enhanced console logging utility that logs colorful messages in the terminal.
- Published on NPM for public use, making debugging more engaging.

Netflix Clone

LIVE | GitHub

- Developed a fully responsive Netflix-inspired streaming platform using **React** and **Firebase**.
- Integrated **Firebase Authentication** for user sign-in and secure session management.
- Implemented dynamic movie fetching using TMDb API with categories like trending, top-rated, and originals.

Tower of Hanoi PWA

Live | GitHub

- Implemented a **Progressive Web App (PWA)** focused on the **Stack Data Structure**.
- Optimized for offline access and smooth user experience.

Professional Experience

Digital Marketing Manager

Mar Louis Books and Art Centre

2021 – 2022

Kerala, India

- Managed and maintained the company's WordPress website, improving user experience and site performance.
- Developed and executed **SEO strategies**, increasing website traffic.

FCT Tester – Stanley Black & Decker

NeST Technologies

2020 – 2021

Kerala, India

- Performed **functional circuit testing (FCT)** and diagnostics on embedded systems for industrial IoT tools.
- Conducted hardware testing, troubleshooting, and quality assurance for electronic components and systems.
- Collaborated with cross-functional engineering teams to optimize testing procedures and improve reliability of IoT-enabled devices.

Education & Training

Brototype Intensive Training Program

Full-Stack Development (MERN Stack)

2024 – 2025

Remote

- Completing rigorous training in modern web development focusing on MongoDB, Express.js, React.js, and Node.js.
- Building real-world projects with mentorship from industry professionals following best practices.

Euro Tech Maritime Academy

GP Rating Training

2018 – 2019

Kerala, India