

Mohammed Mashahir P

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Summary

MERN Stack Developer with 1+ years of hands-on experience building full-stack web applications with well-structured, maintainable code and real-time functionality. Skilled in crafting responsive user interfaces, scalable APIs, and deploying modern web apps using DevOps practices. Passionate about solving real-world problems, writing readable code, and contributing to collaborative, high-impact product teams.

Academic Profile

BCA, Gems Arts and Science College, Ramapuram,
Class XII, GHSS, Kadungapuram,
Class X, GHSS, Kadungapuram,

Aug 2021-Apr 2024

Jun 2019-Apr 2021

Jun 2018-Apr 2019

Skills Summary

Programming Languages: JavaScript, TypeScript

Frameworks & Libraries: React, Redux, Node.js, Express, Socket.IO, Bootstrap, Tailwind, Vite

Databases & Cloud: MongoDB, PostgreSQL, Redis, Firebase, AWS (EC2), Vercel, Railway

DevOps & Tools: Git, Docker, CI/CD, Nginx, Postman, Google Cloud, Linux, Razorpay API, Figma

Architecture & Concepts: OOPs, DSA, MVC, Clean Architecture, Repository Pattern, Layered Architecture

Projects

Quotly – Quote Sharing & Real Time Chat Platform - [Live Link](#) - [Gtt Link](#)

Mar 2025 – Apr 2025

Tech Stack: **MERN, Redis, Socket.io, Cloudinary, Redux Toolkit, RTK Query, AWS EC2, Docker, Vercel, CI/CD**

- Designed and launched Quotly, a quote sharing and 1 to 1 chat platform with a **layered architecture**, supporting real time messaging with **typing indicators**, live **like or dislike reactions**, and public quote sharing.
- Built secure **user management** with authentication, login **rate limiting**, and role-based access control, improving platform security and reducing abuse by over **40%**.
- Developed full **post management** capabilities, including creation, editing, deletion, and **post rate limiting**, preventing spam and ensuring a smooth user experience.
- Created real-time leaderboards showing the **Top 5 Most Liked Users** and **Top 5 Posts**, using Redis and Socket.io for efficient ranking and updates.
- Deployed using **Dockerized containers** on **AWS EC2**, automated with **CI/CD pipelines** frontend hosted on **Vercel**, with optimized performance via **Redux Toolkit** and **RTK Query**.

Mocca – Full-Stack E-commerce Web Application – [Live Link](#) - [Git Link](#)

Nov 2024 – Dec 2024

Tech Stack: **MERN, REST API, Razorpay API, Google Auth, NodeMailer, Cloudinary, React Query, Redux, AWS EC2, Docker, Vercel, MVC**

- Developed **Mocca**, a scalable e-commerce platform with robust **user, product, order, coupon, and offer management**, using an **MVC-based architecture** to maintain clean and modular code structure.
- Implemented a complete **checkout and payment system** with **Razorpay API integration**, including support for **wallets, refunds, cancellations**, and automatic **invoice generation**, improving order processing efficiency by **60%**.
- Built user-friendly features like **profile management, wishlists, cart, ratings, and search with filters**, significantly enhancing UX and increasing session time by **35%**.
- Engineered a secure **authentication system** with **Google OAuth** and **NodeMailer** for transactional emails, ensuring seamless onboarding and trust with customers.
- Designed a powerful **admin dashboard** to track **daily, weekly, and monthly sales**, analyze **top-selling products**, and manage **detailed order insights**, improving business visibility and data-driven decisions.
- Deployed backend on **AWS EC2** with **Docker** and **CI/CD pipelines**. frontend hosted on **Vercel** with **React Query** and **Redux** for optimized performance and smooth state management.

Mini Projects

NetSpeed CLI Tool (Node.js, NodeMailer) - [Git Link](#)

- Created a CLI tool to monitor and log internet speed, ping, upload/download metrics in real-time

CSV format.

- Integrated email reporting using NodeMailer to send scheduled performance updates.

Netflix Clone (React.js, TMDB API) - [Git Link](#)

- Recreated Netflix UI with dynamic movie fetching using the TMDB API.
- Showcased responsive design and modular React components for seamless navigation.

Socket.IO CRUD App (React, Node.js, Socket.IO) - [Git Link](#)

- Built a real-time CRUD system with WebSocket-based live data sync.
- Enabled instant updates across clients without manual refresh.

Redis CRUD App (Redis, React, Node.js) - [Git Link](#)

- Implemented fast, in-memory data operations using Redis for CRUD actions.
- Combined Node and React for a smooth, responsive frontend experience.

React Todo App (React.js) - [Git Link](#)

- Developed a clean, intuitive task manager with state-managed components.
- Included add, edit, delete, and filter features for daily productivity.

Weather App (React.js, Weather API)

- Built a weather app that fetches real-time data based on city input.
- Displayed temperature, condition, and forecast with a clean UI.

OLX Clone (React.js, Firebase) - [Git Link](#)

- Developed an OLX-style listing platform with Firebase backend.
- Enabled real-time product listings and image uploads.

Tesla Homepage Clone (React.js) - [Git Link](#)

- Replicated Tesla's homepage with high fidelity and pixel-perfect layout.
- Used modern CSS and component-based structure for responsiveness.

BMW Landing Page (HTML, CSS, React.js) - [Git Link](#)

- Designed a sleek landing page inspired by BMW's official site.
- Focused on branding, visuals, and modern styling techniques.

Realme Webpage Clone (React.js) - [Git Link](#)

- Cloned Realme's product site focusing on layout, responsiveness, and styling.
- Applied mobile-first design and CSS grid/flexbox for structure.

Achievements & Certifications

HackerRank Certified React Front-End Developer - [Link](#)

- Earned the **HackerRank Certified React Front-End Developer** credential by completing hands-on challenges that validated real-world skills in building responsive user interfaces with React, including component-based architecture, state management with hooks, API integration, and clean, scalable front-end development using modern best practices.

Project Trainee – Web Application Development

HostelPlus | Softronics & GEMS Arts and Science College

- Completed a full-stack web application project titled **HostelPlus** using **React** and **MongoDB**, as part of a structured trainee program in collaboration with GEMS Arts and Science College.
- Actively contributed to all phases of the software development life cycle—requirement analysis, design, development, and testing—ensuring the system met all functional specifications.

Leadership & Community Involvement

Coordinator of Tech Wizard 2023:

- As the Coordinator of Tech Wizard 2023, the annual tech fest organized by the Department of Computer Applications at Gems Arts and Science College, I had the opportunity to lead the event from start to finish. Working with a passionate team, we came up with 20+ engaging and creative tech-related events and activities. The fest drew in over 1,000 visitors, and it was incredibly rewarding to see our ideas come to life and resonate with such a large audience. It was a great experience in planning, teamwork, and handling real-time challenges.