

# Mohammed Irshad P P

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[LinkedIn](#) | [GitHub](#) | [Leetcode](#)

## FULL STACK DEVELOPER

Highly skilled self-taught Full-Stack developer with hands-on experience over **1.5+ years of hands-on experience** building scalable web applications. Proficient in developing secure back-end solutions capable of handling more than 10,000 API requests efficiently. Skilled in designing responsive user interfaces that enhance user experience and improve load times

## TECHNICAL SKILLS

<b>Frontend</b>	: JavaScript, TypeScript, React, Redux, Nextjs, WebRTC, Tailwind CSS, shadcn, Material UI, HTML, CSS, Bootstrap
<b>Backend</b>	: Node.js, Express.js, Microservices, Monolithic Architecture, SOLID Principles, MVC Architecture, REST APIs, WebSockets, NATS, RabbitMQ, Elasticsearch, AWS S3, AWS Lambda
<b>Databases</b>	: MongoDB, PostgreSQL, Firebase, Redis
<b>DevOps and Cloud</b>	: Docker, Kubernetes, AWS EC2, Google Cloud, DigitalOcean, Vercel, Jenkins, GitHub Actions, CI/CD
<b>Testing and QA</b>	: Jest, Supertest, React Testing Library, Postman
<b>Version Control</b>	: Git, GitHub
<b>Explored</b>	: Data Structures, Figma

## PROJECTS

### ManageX: Saas Company Management System

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

A subscription-based company management system that employee onboarding, streamlines project management, real-time communication, and organizational analytics, enabling businesses to operate efficiently while scaling seamlessly

- Architected a **microservices-based system** with a customized **MVC design**, ensuring modular, maintainable, and scalable code following **SOLID principles**.
- Implemented **real-time communication** features with **Socket.IO** for instant messaging and **WebRTC** for high-quality video conferencing, facilitating seamless collaboration.
- Developed secure **authentication and authorization** using **OAuth 2.0**, **JWT with cookies**, and fine-grained access control mechanisms
- Streamlined **CI/CD** workflows with **GitHub Actions** and **Jenkins**, enabling automated testing and deployment across multiple environments.
- Integrated **RabbitMQ** with **amqplib** to enable reliable asynchronous communication across distributed services
- Optimized frontend performance with **React.js**, **Redux**, and **TypeScript**, delivering a smooth and responsive user experience.
- Integrated **Stripe** for seamless subscription management and payment processing, ensuring compliance with financial regulations
- Engineered scalable **containerized deployments** using **Docker** and **Kubernetes**, hosted on DigitalOcean, ensuring high availability and fault tolerance.

### eStore: E-Commerce Platform

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

An e-commerce platform that streamlines online shopping with secure session-based authentication, product browsing, and a seamless checkout process, while empowering admins with tools for managing inventory, orders, and user accounts efficiently.

- Developed an intuitive shopping experience with features such as **cart management**, **order tracking**, and **flexible payment options**.
- Implemented a feature-rich **admin panel** to manage products, user accounts, and order fulfillment with ease
- Integrated **Razorpay** to ensure secure and seamless payment processing across multiple methods.
- Deployed on **AWS EC2** with **Nginx**, **Certbot**, and **PM2**, ensuring reliable hosting with HTTPS encryption and process management
- Designed email notification workflows using **Nodemailer**, keeping users informed about their orders and account activities.
- Utilized **EJS** for dynamic templating, offering a server-side rendering approach for better SEO and faster page loads.

- Managed file uploads efficiently with **Multer**, allowing users to upload and update product images securely.
- Visualized sales and order trends using **Chart.js**, providing actionable insights through interactive graphs and reports.

EXPERIENCE

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**MERN Stack Developer**  
*Prototype, Kerala*

2023 – Present

EDUCATION

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**KMCT Arts and Science College**  
*Bachelor of Science in Computer Science*

Kuttippuram, Kerala  
2019 – 2022

**Higher Secondary (Computer Science)**  
*Bachelor of Science in Computer Science*

SMM HSS Rayirimangalam  
2017 – 2019