

MUHAMMED SHAMAL PV

Full Stack Developer

Self-taught Full Stack Developer specializing in the MERN stack, Next.js, and Flutter mobile application development. Experienced in building scalable, high-performance web and mobile applications with modern UI/UX practices. Skilled in state management using Redux and Bloc, API optimization, real-time systems using Socket.IO, and developing maintainable, production-ready applications. Passionate about solving real-world problems through technology and continuously learning new tools and frameworks.

Contact Information

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 -  LinkedIn Profile
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Skills & Expertise

Frontend

- React.js
- Next.js
- Tailwind CSS
- Material UI (MUI)
- Bootstrap
- TypeScript

Backend

- Node.js
- Express.js
- MongoDB
- REST APIs
- Socket.IO

Mobile Development

- Flutter
- Firebase

Tools & Technologies

- Redux
 - Bloc
 - Git & GitHub
 - Firebase Cloud Messaging
 - SEO Optimization
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Professional Experience

Full Stack Developer

Willsoar Technologies — Kannur, Kerala

February 2025 – Present

- Developed and maintained full-stack web applications using Next.js, React.js, Node.js, Express.js, and MongoDB.
- Built scalable admin panels, CRM systems, billing software, and eCommerce platforms.
- Integrated payment gateways, real-time messaging systems, and WhatsApp business onboarding solutions.
- Worked on performance optimization, responsive UI development, and backend API architecture.

Key Projects

1. eCommerce Website (Full Stack)

Developed a customized full-stack eCommerce website for a gift shop using Next.js, React.js, Node.js, Express.js, and MongoDB.

2. CRM Laundry Management System

Worked on a CRM system for managing customer orders, products, categories, and payment management.

3. Billing Software

Contributed as a React developer to a billing and inventory management software for handling invoices, products, categories, expenses, purchase orders, receipt printing, and barcode generation.

4. Startup Company Website

Developed a dynamic full-stack company website using Next.js and Tailwind CSS with admin panel support and public-facing pages.

5. Emma Fitness eCommerce Platform

Built a full-stack gym equipment and services eCommerce platform for the UAE-based Emma Fitness team using Next.js, React.js, Node.js, Express.js, and Stripe payment integration. Website: emmafitness.ae

6. Jenoub Fitness Website

Developed a high-performance static gym website using Next.js and Tailwind CSS. Website: jenoubfitness.com

7. Metro Fresh Loyalty Management System

Developed a full-stack rewards and offers management platform using Flutter for mobile applications and the MERN stack for backend and admin panels. Integrated Socket.IO for real-time updates.

8. Kerala Kudumbashree Loan Management System

Built a full-stack loan management web application for Kudumbashree groups to manage loans, repayments, village onboarding, district-level reporting, and WhatsApp notifications.

Features Included:

- Loan management and repayment tracking
- Automated repayment calculations
- District and block-level reporting
- WhatsApp alerts and notifications
- Role-based access management

9. Chatbase – WhatsApp CRM Platform

Developed a full-stack WhatsApp CRM platform for onboarding businesses through Meta integration.

Features Included:

- Business onboarding workflow
- Real-time chat system using Socket.IO
- Bulk and single WhatsApp messaging
- Chatbot workflow management
- Template-based and OTP messaging APIs
- CRM dashboard and contact management

10. Barcode Management System (KITO)

Developed a MERN stack application for managing work orders, spare parts, barcode generation, and public barcode scanning access.

11. Indus Group Website

Built a static corporate website using Next.js and Tailwind CSS with focus on responsiveness, SEO optimization, and performance. Website: indusgroupae.com

Full Stack Developer

Dhanwis TechInfo Solutions — Kannur, Kerala

January 2024 – January 2025

- Developed and managed multiple full-stack applications with responsibilities across frontend, backend, and database management.
- Optimized React state management and API integrations for smooth user experiences.
- Built scalable backend services using Node.js and MongoDB.
- Worked on eCommerce platforms using the MERN stack and Flutter.
- Mentored junior developers and contributed to UI/UX improvements.

Key Projects

1. eCommerce Project (MERN & Flutter)

Developed a complete product management system with dynamic product handling, Redux and Bloc state management, Socket.IO real-time updates, and Firebase push notifications.

2. HR Management System

Worked as a React developer to improve UI/UX and optimize data handling for better system performance.

3. Startup Company Website

Developed a static company website using React.js and Bootstrap with focus on responsiveness and SEO optimization.

Professional Summary

- Self-taught MERN Stack and Flutter developer with strong problem-solving skills.
- Experienced in building scalable web applications, mobile apps, and CRM systems.
- Strong understanding of frontend architecture, backend APIs, database management, and real-time systems.
- Passionate about continuous learning, clean code practices, and modern software development.