

MUHAMMED ROSHAN VP

MERN STACK DEVELOPER

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PROFILE SUMMARY

Detail-oriented MERN Stack Developer with hands-on experience in designing and building robust, scalable web applications. Skilled in front-end and back-end development, with expertise in full-stack technologies like MongoDB, Express.js, React.js, and Node.js. Passionate about delivering high-quality solutions and eager to contribute to a dynamic development team.

SKILLS

Frontend Development : **HTML, CSS, Bootstrap, React Js, JavaScript, TypeScript, Redux, Tailwind Css, Embedded JavaScript (EJS)**

Backend Development : **Node Js, Express Js, TypeScript, MVC Architecture, Repository Pattern, JavaScript**

Database : **MongoDB, PostgreSQL**

Libraries and Integrations : **Stripe, Razorpay, Firebase, JSON Web Token (JWT), Nodemailer, Multer, Chart Js, Socket.io, Google Auth, Axios, REST Api**

Tools : **Git, Github, Postman, Figma, Insomnia**

Deployment : **AWS EC2, Render, Vercel, S3 Bucket, Route 53, Nginx**

PROJECTS PAINTCONT-SERVICE (Social media + Booking Application) [FrontEnd](#) [BackEnd](#) [Figma](#) [GitHub](#)

- **Platform Overview** : PaintCont is a social media and booking platform that connects clients with wall painters.
 - **Project Showcase** : Painters can showcase their projects on the platform.
 - **User Interaction** : Users can interact with posts through likes, comments, and reports.
 - **Booking & Payments** : Users can book slots, make payments, and communicate directly with painters.
 - **Search Functionality** : The platform supports hashtag-based search for easy content categorization.
 - **Painter Features** : Painters can manage schedules, view payment dashboards, and chat with clients.
 - **Admin Controls** : Admins have full control over user and painter management, dashboard insights, and reported posts.
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- **Developed a full-stack platform** using **React, Node.js, Express.js**, and **MongoDB**, delivering a seamless user experience.
 - **Enhanced code integrity** by implementing strict type handling with **TypeScript**, reducing errors and improving maintainability.
 - **Implemented secure user authentication and authorization** for employers and employees using **JWT Tokens**, ensuring data privacy and access control.
 - **Streamlined state management** in the React frontend using **Redux Toolkit**, creating a centralized and predictable state container for the application.
 - **Designed a responsive and modern UI** using **React** and **Tailwind CSS**, ensuring optimal user experience across devices.
 - **Integrated Socket.IO** to enable **real-time communication features**, enhancing user interaction and engagement.
 - **Created a real-time booking system** where users can book slots instantly after completing payments via **Stripe**, ensuring secure and seamless transactions.
 - **Integrated hashtag-based search functionality**, allowing users to search content efficiently and enabling painters to categorize posts with hashtags.
 - **Ensured code quality and consistency** by utilizing **ESLint** for linting and **Git** for version control, improving collaboration and maintainability.
 - **Configured and managed servers** using **Nginx** and deployed the application on **AWS EC2** for backend hosting and **Vercel** for frontend deployment, ensuring scalability and reliability.

Technologies Used :

- Node js, Express js, MongoDB, Mongoose, Mongoose, React Js, TypeScript, Redux, MVC, Repository pattern(ref), Tailwind, Nodemailer, Firebase, JWT, Socket.io, Stripe, GitHub, Git, Nginx, AWS EC2, Vercel, Render

PAINTCONT-STORE (e-commerce Application) [GitHub](#)

- **Platform Overview** : PaintCont-Shop is an innovative e-commerce platform for the wall paint industry.
 - **User Experience** : Users can browse, select, and buy paint options easily with secure payments.
 - **Admin Features** : Admins can add, edit, delete, and track inventory via an intuitive dashboard.
 - **Technology** : PaintCont-Shop uses advanced tech for a secure, efficient, and user-friendly experience.
 - **Focus** : The platform prioritizes customer satisfaction and convenience.
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- **Built a full-stack** platform using **EJS, HTML, Node.js, Express.js**, and **MongoDB**, ensuring seamless functionality and scalability.
 - Deployed **authentication and authorization** using **session management** to enhance user security and access control.
 - Designed a **responsive and user-friendly UI** with **Bootstrap**, optimizing the platform for all devices.
 - **Architected the application** using **MVC** pattern to maintain a clean, modular, and efficient codebase.
 - Enabled **secure image uploads** by integrating **Multer** for efficient file handling and storage.
 - Integrated **Razorpay payment** gateway to facilitate secure and seamless payment transactions.
 - Incorporated **OTP-based signup** using **Nodemailer** for enhanced user verification and security.
 - **Built an admin dashboard** for managing **products, inventory, categories, banners, and coupons**, streamlining application operations.
 - **Deployed** the application on **AWS EC2** to ensure robust performance, scalability, and reliability

Technologies Used :

- Node.js, Express.js, MongoDB, EJS, MVC Architecture, Bootstrap, CSS, HTML, Nodemailer, Multer, json2csv, Razorpay, AWS EC2, Chart.js

MINI PROJECTS

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|---|--|-----------------------------------|---------------------------------|
| • Peshiyo-Fragrance (Freelance) | • Personal Portfolio | • Netflix (Clone) | • Tindog(Clone) |
| • Study Focus Clock App | • Advice Generator | • Kinely(Clone) | |
| • Number Guessing Game | • Blog Project (Backend) | • OLX (Clone) | |
| • To-Do App | • Usermanagement App | • Swiggy(Clone) | |

EXPERIENCE/EDUCATION

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| • Professional Freelancer - Front-end
Nov 2024-Present
Calicut, Kerla, India (Hybrid) | • Bachelor of Computer Application
2025 - 2028
Manipal Institute of Technology |
| • Full Stack Development- MERN
May 2023 - Sep 2024
Brototype, Calicut (India) | • Higher Secondary Computer Science
2020 - 2022
MHSS Vatakara, Calicut |