

MUHAMMED ROSHAN VP

Mern Stack Developer

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Profile Summary

Detail-oriented **MERN Stack Developer** experience in building robust web applications. Proficient in front-end and back-end development, with a strong understanding of full-stack technologies. Seeking opportunities to contribute my skills and expertise 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, Docker, CI/CD, Nginx

Projects

PAINTCONT SERVICES : Social media + Booking Application

→ [FrontEnd](#) [BackEnd](#) [Figma](#) [GitHub](#)

PaintCont is a comprehensive social media and booking platform connecting clients with wall painters. Painters showcase projects, and users can interact with posts through likes, comments, and reports. Users can book slots, make payments, and communicate directly with painters. The platform supports hashtag-based search for easy content categorization. Painters manage schedules, view payment dashboards, and chat with clients. Admins have full control over user and painter management, dashboard insights, and reported posts.

- Developed a comprehensive platform utilizing **React, Node.js, Express.js, and MongoDB**
- Ensured strict type handling using **TypeScript** for enhanced code integrity
- Added user authentication and authorization for employers and employees using **JWT Token**
- Implemented state management in the React front end using **redux toolkit**, ensuring a centralized and predictable state container for the application
- Followed **MVC + Repository Pattern (ref)** principles to maintain a clean and efficient codebase
- Created Responsive UI design with **React and Tailwind**
- Integrated **Socket.io** to enable real-time communication features.
- users can search for content using **Hashtags**, with painters able to add hashtags to their posts. The feature works exclusively with the "#" symbol, enabling streamlined searches and efficient display of relevant results
- Users can book **slots** in real-time after making a **payment**. We use **Stripe** for payment integration, ensuring secure transactions. Once the payment is successful, the slot is automatically booked
- Used **Nodemailer** for OTP signup and reset password

- Ensured code quality and consistency using ESLint and GIT for version control.
- Employed **Nginx** for server configuration and management
- Deployed the application on **AWS EC2** for backend hosting and **Vercel** for frontend deployment

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](#)

PaintCont Shop is an innovative e-commerce platform for the wall paint industry. Users can explore, select, and purchase various paint options seamlessly with secure online payment methods. Administrators benefit from comprehensive product management, including adding, deleting, and editing products, while monitoring inventory through an intuitive dashboard. Leveraging advanced technologies, PaintCont Shop ensures a secure, efficient, and user-friendly shopping experience, prioritizing customer satisfaction and convenience.

- Developed a comprehensive platform utilizing **EJS, HTML, Node.js, Express.js, and MongoDB.**
- Added authentication and authorization by using **Sessions**
- Created Responsive UI design with **Bootstrap.**
- Followed **MVC Architecture** to maintain a clean and efficient codebase.
- Images are securely uploaded using **Multer**
- Integrated **Razorpay** for secure payment transactions
- Used **Nodemailer** for OTP signup
- Admin is responsible for managing **products, controlling inventory, categories, banners** and coupons for the application
- Hosted on **AWS EC2** for robust performance 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 / WEBSITE CLONES

- **TO-DO**
- **OLX-Clone [React+Redux+Firebase]**
- **Blog-Backend[Node/Express]**
- **Netflix-Clone [React,API]**
- **Usermanagement [Full-Stack]**
- **GuessTheNumberGame[React+tailwind]**
- **Current Time Clock [React + tailwind + react Clock]**

Education

Full Stack Development- MERN

Brototype, Calicut (India) May 2023 - Present

Higher Secondary Computer Science

MHSS Vatakara | Calicut 2020- 2022