MUHAMMED SHUHAIB

MERN STACK DEVELOPER

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PROFILE

Self-taught Full Stack Developer with expertise in the MERN Stack. Skilled in developing scalable web applications and dynamic user interfaces. Dedicated to continuous learning and delivering top-notch software solutions. Proficient in problem-solving and working collaboratively to build innovative web applications.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, HTML, CSS

Libraries and Framework: Node.js, Express.js, React.js, Redux, Bootstrap, Tailwind, Socket.io, JWT, Bootstrap, EJS, jQuery,Twilio, Firebase Push Notifications,

Database: MongoDB, PostgreSQL, Redis, Firebase

Deployment: Docker,Git , AWS(EC2, S3,), Nginx, PM2

Familiar with: Clean Architecture, MVC Architecture, API Gateway, Google Auth, Stripe, Razorpay, Figma, Postman,Swagger ,DSA , Cloudinary, Multer, Vercel, Render

PROJECTS

Auction-Gems | Online Bidding Platform

Live Link | GitHub

- Designed and developed an online auction platform offering live auctions, buy-it-now options, and secure escrow payments. The platform ensures real-time interactions, secure transactions, and automated workflows for an enhanced user experience.
  Key Achievements:
- Implemented a real-time bidding system with Socket.IO for live auctions, enabling seamless updates and competitive bidding.
- Built a secure authentication system using JWT with role-based access control (buyer, seller, admin).
- Integrated Stripe for payment processing and developed an escrow system to ensure transaction security.
- Automated auction tasks like endings, notifications, and relistings using Node-Cron.
- Added real-time chat and video call functionality for communication during auctions.
- Set up Twilio WhatsApp notifications and Firebase push notifications to keep users informed.
- Deployed the backend on AWS EC2 and the frontend on Vercel, using Docker and CI/CD pipelines with GitHub Actions.
- Modeled scalable and efficient data structures using Mongoose for database management.

  Technologies Used:
- Frontend: React.js, Tailwind CSS, Material-UI, NextUI
- Backend: Node.js, Express.js, Socket.IO
- Database: MongoDB, Mongoose
- DevOps: Docker, GitHub Actions, AWS EC2, Vercel
- Notifications & Payments: Stripe, Twilio, Firebase Push Notifications

LOOM-FASHION | E-Commerce Platform

Live Link | GitHub

- Loom-Fashion is an E-Commerce platform featuring an admin interface for user, product, coupon, and offer management and a user interface for browsing and booking. It includes essential functionalities like shopping cart, order processing, and wallet integration. The platform includes a shopping **cart** for seamless product addition, item
- management, and checkout. Users can also save items to a **wishlist** for easy tracking of their interests.

- Users can enjoy discounts on purchases through promotional **coupons** and **offers**, enhancing their shopping experience. These incentives also help drive customer loyalty.
- A **referral** program allows users to earn rewards by referring friends, encouraging engagement and new sign-ups. This initiative supports user base growth while rewarding existing customers.
- **Razorpay** integration allows secure online payments with multiple options. Users can also manage their funds via a **wallet** feature for easier transactions.
- The application is **dockerized** and hosted on **AWS EC2**, ensuring consistency and scalability with **Route 53** for DNS management.
- Technologies Used: Node.js, Express.js, MongoDB, EJS,JavaScript, jQuery, Bootsrap,NGINX Razorpay, Nodemailer, Multer, Git, Docker, AWS.

MINI PROJECTS

User Management System
[GitHub]

- Built with React TypeScript, Node.js, and Flowbite, featuring JWT based authentication for secure login/signup, user profile editing, and admin management of user profiles (edit/delete).
- Technologies Used: React.js, Node.js, MongoDB, Cloudinary, Vercel, Redux, Tailwind CSS

Netflix Clone
[GitHub]

- Developed a comprehensive Netflix clone application that replicates the core functionality, leveraging a modern tech stack including React, TypeScript, Vite, and Firebase.
- Technologies Used: React ,Tailwind ,TypeScript, Vite, Firebase

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EDUCATION

Brototype, Calicut
MERN Stack Development

2024 - Present

GHSS Ezhur
Higher Secondary Education (Computer Science)

2022 - 2023