ALI MIYAN

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,

Database: MongoDB, PostgreSQL, Redis, Firebase

Deployment: Docker, Kubernetes, Ingress, Git , Jenkins, AWS(EC2, EKS, S3, Elastic Beanstalk), Nginx, PM2

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

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PROJECTS

TUNE-UP | Car Service Booking Platform **Live Link | GitHub**

- Tune-App is a robust car service booking platform that allows companies to list their services. Users can select services, with drivers dispatched for pickup, featuring live vehicle tracking and real-time communication .
- The app is built using a **microservices architecture**, with five separate services: user, company, admin, booking, and chat. These services communicate with each other through **RabbitMQ**, **Kafka**, and **gRPC** for inter-service communication.
- Enables **real-time communication** between users and companies using **Socket.io**, along with push notifications to keep users informed throughout the service.
- With **Mapbox** integration, users can **live-track** their car's location in real-time.
- To ensure secure online payments, the application integrates with **Stripe**, leveraging industry-standard **security protocols** for safe and reliable payment processing.
- The application employs a **dual-database system**, utilizing **MongoDB** for unstructured data and **PostgreSQL** for relational data, ensuring a robust and flexible data management.
- A **reusable library** named tune-up-library was developed as an **npm package** to manage authentication and provide reusable functions, streamlining the development process.
- The application applies **SOLID** principles and utilizes **clean architecture**.
- **Technologies Used**: Node.js, TypeScript, Express.js, React.js, MongoDB Atlas, PostgreSQL, Microservices, RabbitMQ, Kafka, gRPC, Docker, Kubernetes, NGINX, Ingress, Socket.IO, AWS EKS, Stripe, JWT, NPM, Nodemailer, Multer,Tailwind CSS, Redux Toolkit Query

FURBAR | E-Commerce Platform **Live Link | GitHub**

- Furbar 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 deployed in **Kubernetes** for consistency and scalability, hosted on AWS EC2 with Route 53 for DNS management. Continuous Integration and Continuous Deployment (**CI/CD**) are implemented using **Jenkins**, ensuring smooth updates and maintenance.
- **Technologies Used:** Node.js, Express.js, MongoDB, EJS,JavaScript, jQuery, Bootsrap,NGINX Razorpay, Nodemailer, Multer, Git, Docker, AWS, Kubernetes, Jenkins

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WORK EXPERIENCE

CORESPARES | Mini E-Commerce Platform **Live Link | GitHub**

- Developed a mini E-Commerce application that allows users to add and manage brands and products. The app has an admin section for brand and product management, and a user section with product listings and booking functionality. Additionally, the project involved dealing with a client throughout the development process, which provided valuable experience in managing client expectations.
- Implemented backend server using Node.js for product/brand management.
- Used EJS templating for dynamic user and admin interfaces.
- Integrated Cloudinary for secure image storage and retrieval.
- Deployed the app on AWS Elastic Beanstalk.
- **Technologies Used:**EJS, Node.js, Express.js, AWS Elastic Beanstalk, Cloudinary

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MINI PROJECTS

Gallery Managemnet **Live Link | GitHub**

- Gallery App is a secure image management platform with JWT-based authentication. Users can upload, edit, delete, and dynamically swap images in their galleries using the DND Kit.
- Technologies Used**:** React.js, Node.js, MongoDB, DND kit, Cloudinary, Vercel, Tailwind CSS

User Management System **Live Link | 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 **Live Link | 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

MERN Stack Development **2023 – Present**
Brototype,Calicut

Bachelor of Computer Applications (BCA) **2024 – Present**
Amity University

Higher Secondary Education (Computer Science) **2022 – 2023**
Sjhss,Pullurampara