

# Muhammed Suhail K

*Mern Stack Developer*

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## SUMMARY

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Self-taught MERN stack developer in Malappuram, Kerala, with a passion for scalable distributed systems and problem-solving. Committed to writing readable, maintainable code and adept in JavaScript, Node.js, React, Redux, MongoDB .

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, Node.js

**Frontend:** React, Redux Toolkit, EJS, Tailwind CSS, Bootstrap

**Backend:** Node.js, Express.js, Mongoose, WebSocket, Redis, Bull MQ, REST API, JSON Web Token

**Database:** MongoDB

**Data Structures:** Linked Lists, Stacks, Queues, Hash Tables, Graphs, Tries, Heaps, Trees

**Development Tools:** Git, GitHub, Figma, Postman

**Others:** Linux, AWS EC2, Vercel, Nginx

## PROJECTS

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### Keyzen - Furniture Shop - E-commerce Application

Developed Keyzen Furniture Shop, a comprehensive e-commerce platform tailored for a wide range of furniture. Leveraging MongoDB, Express.js, EJS, and Node.js, the application provides a seamless online experience for buying and exploring a diverse selection of furniture.

- **User-Friendly Product Listing:** Implemented a user-friendly product listing page with advanced filtering options for easy discovery of various furniture items.
- **E-commerce Features:** Includes features such as cart, coupons, offers, sales reports, image zoom, wishlist, and order management.
- **Admin Dashboard:** Admin dashboard with dynamic graph representations for monitoring sales and inventory.
- **User Wallet System:** Implemented a user wallet system, enabling refunds for canceled or returned orders with ease.
- **Media Storage:** Integrated Multer for secure and fast storage of media files.
- **Mail Services:** Implemented Nodemailer for enabling mail services.
- **Payment Processing:** Integrated Razorpay for secure and efficient payment processing, supporting various payment methods.
- **Hosting:** Hosted using AWS EC2 and Route 53 along with Nginx as the web server.

### User Management System (CRUD) with JWT Authentication and Redux Toolkit

Developed a comprehensive User Management System (UMS) with CRUD operations and JWT authentication for secure user login. Implemented user registration with profile image upload and validation using React Bootstrap. Included admin features like user deletion, editing, search, and addition, with protection mechanisms for both admin and user functionalities.

- **Technologies:** React, Node.js, Express, MongoDB
- **CRUD Operations:** Developed a system with Create, Read, Update, and Delete functionalities for managing user data.
- **JWT Authentication:** Implemented JSON Web Token (JWT) for secure user authentication and authorization.
- **User Registration:** Added user registration functionality with profile image upload and validation using React Bootstrap.
- **Admin Features:** Included admin capabilities such as user deletion, editing, search, and addition, with proper protection mechanisms for both admin and user functionalities.

## MINI PROJECTS

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### User Management System (CRUD) with Session and Authentication

Implemented a User Management System (UMS) with CRUD operations, session management, and authentication. Users can register with a profile image, update their profiles, and securely log in using authentication tokens. Admin functionalities include user blocking, unblocking, deleting, editing, searching, and adding new users.

- Technologies: Node.js, Express, MongoDB
- CRUD Operations: Developed a system with Create, Read, Update, and Delete functionalities for managing user data.
- Session Management: Implemented session management for maintaining user sessions securely.
- User Registration: Added user registration functionality with profile image upload and validation.
- Authentication: Provided secure user login using authentication tokens.
- Admin Features: Included admin capabilities such as user blocking, unblocking, deleting, editing, searching, and adding new users.

### OLX Clone - Firebase

Developed an OLX-like web application using React and Firebase.

- Technologies: React, Firebase
- Modern UI: Leveraged the latest versions of React, React DOM, and React Router DOM to build a modern and efficient user interface.
- Real-time Updates: Utilized Firebase for real-time data updates and a seamless user experience.

### Netflix Clone

Developed a Netflix-like web application using React.

- Technologies: React, Axios
- Data Fetching: Leveraged Axios for efficient data fetching.
- Modern UI: Utilized the latest versions of React, React DOM, and React Scripts to create a modern and responsive user interface.
- YouTube Integration: Integrated react-youtube for seamless YouTube integration, allowing users to watch trailers and related videos in real-time.

### To-Do App

Developed a visually appealing To-Do App with **React**. The app includes functionalities to create, read, update, and delete tasks.

- Technologies: **React**
- CRUD Operations: Implemented Create, Read, Update, and Delete functionalities for task management.
- User Interface: Designed a user-friendly and visually appealing interface for managing tasks.

## EDUCATION

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### MERN Stack Development

*Brototype*

2023 - Present

*Calicut, India*

### Calicut University

*BA Sociology*

Calicut, India

2019 - 2021