

# MUHAMMED HISHAM

MERN Developer

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## PROFILE SUMMARY

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Highly skilled MERN-Stack Developer with expertise in building scalable web applications using Express, React, and modern frontend technologies. Passionate about creating seamless user experiences and continuously enhancing technical skills to stay ahead of industry trends.

## SKILLS

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- Programming Languages : TypeScript, JavaScript, C.
- Frontend : React.js, HTML, Redux, Tailwind CSS, Bootstrap, JQuery, CSS.
- Backend : ExpressJS, NodeJS, TypeScript.
- Integrations : Razorpay, WebSockets, WebRTC, JWT.
- Database : MongoDB, PostgreSQL, Firebase.
- Development Tools : Git, GitHub, Visual Studio, Figma, Postman.
- Deployment : AWS, Vercel, Nginx, Route 53.
- Expertise : OOPS, Debugging, REST API, HTTPS.
- Computational Skills : Data Structures And Algorithms.
- Architectural Patterns : Clean Architecture, MVC, Repository Pattern.

## PROJECTS

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### FlexiWork | Job-Portal

[live](#) | [GitHub](#)

*Technologies: TypeScript, Express, NodeJS, SocketIO, React, Redux Toolkit, Agora SDK, Agenda, node-cron, JWT, Razorpay, AWS EC2, Nginx, Vercel, Clean Architecture, Repository Pattern.*

Developed a comprehensive job portal platform, allowing users to search, filter, and apply for jobs while enabling recruiters to post openings and manage applications. Integrated advanced features like real-time notifications, dynamic filtering, and personalized job recommendations to enhance user engagement and streamline recruitment processes.

- Integrated **Agora SDK** with **WebRTC** for real-time video calls between candidates and recruiters, ensuring high-quality sessions.
- Managed asynchronous background tasks using **agenda** and **node-cron**, including notifications.
- Built secure login and authentication using **JWT**.
- Built the frontend with **React.js** and optimized state management using **Redux Toolkit** for a **responsive UI**.
- Implemented **Socket-IO** for real-time updates, notifications, chat application and user interactions.
- Integrated **RazorPay** for upgrading the recruiter to a premium user which entails many advanced features.
- Deployed on **AWS EC2** with **Nginx** and **PM2** to ensure scalability, security and high performance.
- Added advanced **search and filtering** for a smooth user experience.
- Followed **Clean Architecture** with **Repository Pattern** for code modularity and scaling.

*Technologies: Express, NodeJS, HTML, EJS, CSS, MDB-UI-kit, Bootstrap, jQuery, JavaScript, MongoDB, Razorpay API, AWS, Nginx.*

Developed a comprehensive e-commerce platform for electronics, offering a seamless shopping experience for gadgets like phones, laptops, and earphones, along with efficient management tools for administrators.

- Developed a responsive and user-friendly UI using **EJS**, **CSS**, **MDB-UI-kit**, **jQuery**, and **JavaScript** for an optimal customer experience across devices.
- Built a robust **back-end** using **Express** and **NodeJS** to handle user, product, and order management functionalities.
- Integrated **MongoDB** for secure and scalable database management.
- Implemented multiple payment options including **COD** and online payments via **Razorpay API**.
- Enhanced security with **email verification** and **OTP-based account creation** for user protection.
- Developed a **coupon** system to incentivize user engagement and expand the customer base.
- Developed admin **dashboards** for managing users, products, stock, offers, and generating sales reports (CSV, PDF, graphical).
- Implemented **invoice generation** with **js-pdf**, allowing users to download order receipts.
- Deployed on **AWS** using **Nginx** for high performance and scalability.

## MINI PROJECTS

### Task Management Application

[GitHub](#)

- Developed a full-stack task management application with Express and React.
- Integrated real-time task updates using **Socket-IO** for **live data visualization**.
- Implemented user authentication and responsive design.

### PDF Management Application

[GitHub](#)

- Built a full-stack application enabling users to upload, edit, and delete PDFs.
- Included features for selecting the specific pages of pdf and rearranging them using drag and drop.

### Netflix Clone

[GitHub](#)

- Successfully replicated a Netflix application by leveraging data from **TMDB** (The Movie Database).
- Developed the frontend using **React** to display trending movies and shows.
- Utilized **REST API** with **Firestore** for data retrieval.

## EDUCATION

- **B.Tech - Computer Science,** 2019 - 2023  
APJ Abdul Kalam Technological University,  
Government College of Engineering , Kannur.  
CGPA : **7.21/10**
- Web Development using **MERN** 2023 - Present  
**Brototype**