

Muhammad Hashim

Full-Stack Developer (MERN + Django)

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Professional Summary

Passionate Full-Stack Developer with hands-on experience building scalable and real-time web applications using MERN Stack and Django. Strong understanding of backend architecture, REST APIs, authentication systems, and real-time communication using WebSockets. Experienced in designing complete systems from scratch, integrating modern frontend frameworks with scalable backend services, and deploying production-ready applications.

Built and deployed a real-time SaaS workflow management platform using Django, Django Channels, Redis, Next.js, and PostgreSQL. Comfortable working across the full development lifecycle including frontend development, backend engineering, database design, API integration, state management, and deployment.

Work Experience

Junior Full Stack Developer, *Client Projects*

- Developed a full-stack Next.js & TypeScript web application.
- Terorr Brand Website (In Progress)

Mern Stack developer intern, *10 pearls shine pakistan*

Remote

- Built a Todo web application using MERN stack with complete CRUD operations.
- Implemented user authentication & authorization for secure todo management.
- Added logging and API handling to improve debugging and performance.

MERN Stack Developer Intern, *SMB Digital Zone*

Remote

- Built full stack features using MERN architecture.
- Improved API performance and optimized frontend components.
- Collaborated with team members using Git and Agile methods.

Full Stack Developer Intern, *Developers Hub Corporation*

Remote

- Worked on authentication systems, dashboards, and REST APIs.
- Assisted in frontend UI development with React + Tailwind.

Education

Bachelor of Science in Computer Science (BSCS), *University of Education Lahore*

2023 – Present

Intermediate in Computer Science (ICS - Physics)

2021 – 2023

Technical Skills

Frontend

- React.js
- Next.js
- Redux Toolkit / RTK Query
- Tailwind CSS
- HTML5
- CSS3
- JavaScript (ES6+)
- TypeScript

Database

- PostgreSQL
- MongoDB
- MySQL

Dev Tools & Others

- Git & GitHub
- Postman
- Vercel
- DigitalOcean
- VS Code

Languages

- JavaScript
- TypeScript
- Python
- C++

Backend

- Django
- Django REST Framework
- Node.js
- Express.js
- REST APIs
- JWT Authentication
- Role-Based Access Control (RBAC)

Real-Time Technologies

- WebSockets
- Django Channels
- Redis
- Socket.IO [↗](#)

Highlighted Projects

WorkflowHub – Real-Time Workflow Management SaaS

Built and deployed a full-stack real-time workflow management system inspired by platforms like Jira and ClickUp, focused on scalable architecture and real-time collaboration.

Key Highlights

- Developed real-time task, comment, and reaction updates using **Django Channels, Redis, and WebSockets**
- Designed a scalable **Workspace → Project → Task** hierarchy with clean relational modeling
- Implemented **Role-Based Access Control (RBAC)** and secure JWT authentication
- Built nested comments and reaction system with live synchronization across connected users
- Managed frontend state using **Redux Toolkit & RTK Query** with optimized caching strategies
- Optimized backend performance using `select_related`, `prefetch_related`, and efficient API design
- Integrated Next.js frontend with REST APIs and WebSocket-based real-time events
- Deployed backend on **DigitalOcean** and frontend on **Vercel**

Ali Air Conditioning & Refrigeration (KSA), *A modern, full-stack web application for managing air conditioning and refrigeration services. Built with Next.js 16, TypeScript, MongoDB, and Redux Toolkit.*

- Developed a production-grade full-stack web application using Next.js 16 & TypeScript
- Built a secure admin panel with JWT authentication and HTTP-only cookies
- Implemented CRUD APIs for services, projects, and customer inquiries
- Integrated Cloudinary for image uploads with optimization and auto cleanup
- Added bilingual (English & Arabic) support with RTL layout using `next-intl`
- Implemented SEO optimization (dynamic meta tags, sitemap, robots.txt)
- Designed responsive UI with Tailwind CSS and deployed on Vercel
- Tech: Next.js, TypeScript, React, Redux Toolkit, MongoDB, JWT, Cloudinary

Business Nexus - Connecting Entrepreneurs & Investors,

Full-stack MERN project to connect investors and entrepreneurs.

- Role-based login for Investors and Entrepreneurs
- Editable public and private profiles

- Collaboration request system (send, accept, reject)
- Real-time chat using Socket.IO
- Dashboards with personalized actions (sessions, reviews, etc.)
- Fully responsive and user-friendly UI built with React + Tailwind CSS
- Tech Stack: Frontend: React, Redux Toolkit, Tailwind CSS, Vite Backend: Node.js, Express, MongoDB Real-time: Socket.IO Deployment: Vercel (Frontend), Heroku (Backend)

Brand E-commerce Web Application, *Modern fullstack ecommerce application.*

- Authentication & Authorization: Role-based access for admin/users using JWT.
- Product Management: CRUD operations, category filtering, image uploads via Cloudinary.
- Shopping Cart: Persistent cart with dynamic quantity and price calculation.
- Admin Dashboard: Product/user/order management with secure admin access.
- Responsive Design: Mobile-first UI with Tailwind and breakpoints.
- Search Functionality: Real-time search by product title.
- RESTful API: Modular and scalable Express routes and controllers.
- Cross-device: Locally tested on mobile and desktop using IP.
- Context API State Management for user products which is locally available and also comes from database and cart states.