Hamza Ashraf

Full Stack Developer

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SUMMARY

A highly motivated Full Stack Developer with 1.5 years of experience delivering scalable, secure, and high-performance web applications.
Specialized in the MERN stack and passionate about building intuitive user interfaces and robust backends.
Proven success working with global clients in industries like e-commerce, real estate, and education tech, with hands-on expertise in JWT authentication, OCR, real-time communication, and cloud deployments.

WORK EXPERIENCE

Full Stack Developer   May '23 — Present
Fiver   lahore
- Over the past two years, I've gained valuable experience by working with international clients on diverse web development projects.
- Collaborating across time zones and industries helped me sharpen both my technical and communication skills.
- Delivered full-stack web projects in domains like e-commerce, real estate Worked extensively with modern frontend technologies (React.
- Developed robust backend solutions using Node.
- js, and MongoDB Integrated third-party services including Stripe Implemented secure authentication, RESTful APIs, and scalable cloud deployments (AWS, Vercel, Netlify) Continuously learned and adapted to new tools and frameworks to meet evolving client needs

Headstarter Software Engineering Fellow   Jul '24 — Present
International   New York City, United States (Remote)
- Collaborated with international software engineers to design and build 5 AI-based projects, including a team-developed Chatbot and an open-source community project.
- Led team meetings, contributed to live coding sessions, and practiced real-world coding interview questions to enhance problem-solving skills.
- Strengthened skills in AI/ML, full-stack development, and technical communication while working in a fast-paced, global environment.
- Gained hands-on experience in building personal brand, presenting technical demos, and contributing to impactful, real-world software solutions.

EDUCATION

Bachelor in Information Technology, University of Education   2022 — 2026
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PROJECTS

E-SHOP – Multi-Vendor E-commerce Platform Link   Jan '24 — Mar '24
- ● **Project Focus:**
  - ○ Built a robust multi-vendor e-commerce platform with separate modules for client, seller, and admin panels.
- ● **Technological Stack:**
  - ○ Utilized MERN stack – React.js, Node.js, Express.js, MongoDB.
  - ○ Implemented Redux Toolkit for global state management.
  - ○ Integrated Stripe for secure online payments and Socket.io for real-time chat.
- ● **Key Features:**
  - ○ Enabled seamless product browsing, filtering, and dynamic search.
  - ○ Real-time messaging between clients and sellers via WebSockets.
  - ○ Admin dashboard for managing users, products, orders, and vendors.
  - ○ Secure authentication and role-based access for different user types.
- ● **Transformative Experience:**
  - ○ Delivered a scalable and interactive online marketplace by combining real-time communication, secure transactions, and modern frontend design.

Real Estate Marketplace – Full-stack MERN Application Link   Jun '24 — Aug '24

- **● Project Focus:**
  ○ Built a modern real estate web application from scratch with secure authentication, listing management, and property browsing.
  - **● Technological Stack:**
  ○ Developed using MongoDB, Express.js, React.js, Node.js (MERN).
  ○ Integrated JWT for authentication, with support for Firebase and Google OAuth.
  ○ Utilized Redux Toolkit for global state management and efficient app-wide data flow.
  - **● Key Features:**
  ○ Complete CRUD functionality for property listings with image uploads.
  ○ Search and filtering features for seamless property discovery.
  ○ Role-based access control and secure user authentication.
  ○ Fully responsive UI/UX tailored for buyers, sellers, and agents.
  ○ Smooth deployment experience using Render for hosting.
  - **● Transformative Experience:**
  ○ Delivered a real-world real estate platform, combining scalability, secure data access, and user-centric design to enhance property discovery and management.

Conceptual Map Generator [Link](#)   Oct '23 — Present
- **● Project Focus:**
  ○ Developed an intelligent tool to generate conceptual maps from text, PDFs, and images using OCR and contextual processing.
  - **● Technological Stack:**
  ○ Utilized Next.js, Node.js, Express.js, MongoDB, Tailwind CSS.
  ○ Integrated pdf-lib, pdfjs-dist for PDF parsing and Tesseract.js for OCR-based image-to-text extraction.
  - **● Key Features:**
  ○ Automatically extracts and visualizes key concepts from uploaded data (text, PDF, image).
  ○ Selective PDF page processing for accurate concept mapping.
  ○ Real-time conceptual map generation from backend-stored content.
  ○ Responsive and intuitive user interface built with Tailwind CSS.
  ○ Efficient API architecture with secure file handling and MongoDB storage.
  - **● Transformative Experience:**
  ○ Delivered a unique solution for educators and researchers to transform raw content into meaningful, structured visualizations using modern web technologies.

SKILLS

Backend Technologies   Node.js, Express.j, MongoDB, Mongoose, Firebase, JWT Auth, Socket.io, Multer, MySQL, RESTful API, Server-Side, REST
Development Tools   Docker, AWS(EC2, S3, IAM), Redis, Postman, Git, GitHub, Agile Methodologies, Version Control, Pipeline, Scalable Web Applications
Programming languages   C++, JavaScript