Muhammad Arslan

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OBJECTIVE

Seeking a Web Developer position that allows me to use my considerable expertise in frontend and back-end programming, as well as my excellent problem-solving abilities, to deliver effective digital solutions for a creative organization. I am eager to apply my skills in HTML, CSS, JavaScript, and various frameworks to create dynamic, user-friendly websites. With a strong focus on continuous learning and a commitment to delivering high-quality solutions, I aim to contribute to the success of a forward-thinking team while growing professionally in the ever-evolving field of web development.

WORK EXPERIENCE

Grazel - E-commerce Website   **(2024)**

• Technologies: MERN Stack (MongoDB, Express.js, React.js, Node.js)
• Role: Frontend and Backend Developer
• Description: Collaborated with a senior developer to build an e-commerce platform.
• Responsibilities:
• - Implemented frontend and backend features
• - Ensured cross-device and cross-browser compatibility
• Optimized website performance and enhanced user experience

SKILLS

Software	**:** Git, VS Code, Postman, ChatGPT, Figma
Programming	**:** HTML, CSS, Tailwind, JavaScript, React, Node.js, Express, Mongo DB
Languages	**:** Urdu (Native), English (Intermediate)

EDUCATIONAL BACKROUND

University of Agriculture, Faisalabad   **(September 2020 – September 2024)**
Bachelor of Computer Science
Major: Programming Fundamentals, Data Structure and Algorithm, OOP, Web Engineering

CERTIFICATIONS

• HTML, CSS, and Javascript for Web Developers, Coursea   **(2024)**

RECENT PROJECTS

Bag Shop application   **(November 2024 – December 2024)**

• Developed a full-stack web application for an online bag shop using **Node.js**, **Express.js**, **MongoDB**, and **EJS** for dynamic templating.
• Implemented **Zod validation** for form input validation and error handling middleware for consistent error management across the app.
• Enhanced user experience with features like real-time product updates and secure payment integrations.

Uber clone application   **(January 2025 – March 2025)**

- Developed a full-stack Uber clone application using the MERN stack (MongoDB, Express, React, Node.js), incorporating real-time ride tracking and driver-passenger matching features.
- Implemented user authentication, interactive map features, and payment integration to replicate core Uber functionality.
- Optimized performance and scalability with MongoDB database and implemented RESTful APIs for seamless front-end and back-end communication.

Realtime Chat application   **(March 2025 –April 2025)**

- Developed a real-time chat application integrating **Google Gemini AI** to enable users to interact with an AI assistant.
- Implemented **Socket.io** for real-time messaging and **Redis.io** for efficient caching and performance optimization.
- Secured user authentication using **Bcrypt.js** for password hashing and **JSON Web Token (JWT)** for token-based authentication.
- Built a **scalable backend** with Express.js and MongoDB, ensuring high availability and responsiveness.
- Designed a **responsive frontend** with React, utilizing **React Router DOM** for navigation and **useContext** for global state management.
- Optimized API requests with **Axios**, improving data fetching efficiency.
- Deployed the app using **WebContainer.io**, enhancing portability and ease of setup.

Code Reviewer application   **(April 2025)**

- Developed an AI-powered web application using the MERN stack that analyzes and reviews source code, identifies bugs, and suggests industry-standard best practices to improve code quality.
- Integrated Google Gemini 2.0 Flash to enable intelligent, real-time code analysis, offering context-aware feedback and enhancing the developer experience.
- Engineered a scalable and responsive full-stack solution, improving development workflow efficiency for solo developers and teams through automated code reviews..