

Muhammad Usama

underusama@gmail.com | 03229260687 | <https://muhammad-usama.vercel.app>
<https://www.linkedin.com/in/muhammad-usama-704400192/>

Full Stack Developer with 4+ years of experience. Skilled in critical thinking and analytical problem-solving, demonstrated through extensive front-end and back-end development. Passionate about continuously learning new technologies and enhancing current skill sets.

Technical Skills

- | | | | |
|---------------------|-------------|-----------------|--------------|
| • React.js | • Next.js | • Node.js | • Express.js |
| • Nest.js | • SQL | • MongoDB | • Firebase |
| • Redis | • REST APIs | • Web Sockets | • GraphQL |
| • Apollo Federation | • AWS | • Microservices | |

Professional Experience

Embrace IT

Islamabad

Full Stack Developer

May 2023 - Present

- Played a vital role in developing a comprehensive HR platform using React.js, Nest.js, PostgreSQL, Recoil, and GraphQL.
- Spearheaded the design and implementation of a dynamic Unreal Engine streaming-driven mock-up delivery system for multiple tenants, utilizing Nest.js, React.js, Three.js, Apollo Federation and AWS.
- Played a pivotal role in developing a sophisticated food ordering and management web application with Next.js, Nest.js, PostgreSQL, GraphQL and AWS.
- Contributed to the development of a construction management software using React.js, Nest.js, React Native, PostgreSQL, and AWS.
- Collaborated seamlessly with cross-functional teams to ensure successful feature delivery and enhancements.
- Demonstrated a proactive approach to staying updated on emerging technologies and implementing best practices.
- Showcased dedication to innovation and proficiency in integrating diverse technologies into a unified and impactful application.

Fauji Foundation Head Office

Rawalpindi

Front End Developer

Apr 2022 - May 2023

- Played a pivotal role in advancing front-end development for the Medix Hospital Management System (HMS), leveraging React.js and prominent libraries within the ecosystem.
- Collaborated closely with cross-functional teams to implement robust REST APIs, integrating JWT Authentication for enhanced security.
- Engineered multiple dashboards and portals utilizing React, to develop rich user experience.
- Leveraged Redux Toolkit and RTK Query to streamline state management, ensuring seamless data flow and application responsiveness.
- Spearheaded the integration of React Router for efficient navigation and Vite for rapid development, further enhancing the Medix system's front-end capabilities.
- Employed Ant Design and Tailwind CSS frameworks to create visually appealing and intuitive user interfaces, enhancing accessibility and user engagement.

- Developed and delivered a range of dynamic dashboards and interactive company portals, showcasing expertise in React.js, Next.js, and responsive web design techniques.
- Leveraged advanced front-end tools and technologies, such as React Hooks, Redux Toolkit, and React Router, to create intuitive user interfaces and enhance user interactions.
- Successfully implemented JWT Authentication for enhanced security, ensuring secure access to sensitive data through meticulously designed REST APIs and seamless integration with Axios for data retrieval.
- Skillfully employed Formik and Yup libraries to streamline data entry and validation processes, enhancing user experience and data accuracy across various forms and input fields.
- Collaborated closely with cross-functional teams to integrate SASS and Bootstrap frameworks, optimizing styling and design consistency across multiple dashboards and portals.
- Actively contributed to code-base maintenance and performance optimizations, aligning with best practices to ensure efficient and high-performing front-end solutions.

Personal Projects

MaxAttire

themaxattire.com

- Developed a comprehensive e-commerce platform using Next.js 14, showcasing expertise in modern web development frameworks.
- Implemented a robust PostgreSQL database to manage inventory, customer data, and transaction records, ensuring efficient data handling and retrieval.
- Integrated Authorize.Net payment gateway to facilitate secure and seamless online transactions, enhancing the overall user experience.

ChatDocs

github.com/MuhammadUsamaAwan/chat-docs

- Developed a LLM chatbot using Next.js and Langchain, leveraging the latest in web development technology for robust performance.
- Utilized SQLite for lightweight and efficient database management, ensuring quick access to chat and document data.
- Enabled document uploads and indexing within each chat, using ChromaDB to organize and retrieve document contexts efficiently.
- Implemented integration with Ollama and OpenAI.
- Developed Ollama-Chatbot-UI (github.com/MuhammadUsamaAwan/ollama-chatbot-ui) as a separate project, handling the UI-only integration with Ollama.

Expense Tracker

expense-tracker-eight-livid.vercel.app

- Developed a progressive web application (PWA) using Next.js, ensuring a fast and reliable user experience across various devices.
- Utilized PostgreSQL for robust and efficient database management, ensuring secure and reliable data storage.
- Enabled users to create custom categories and templates, providing flexibility in managing expenses according to individual needs.
- Implemented data visualization through graphs and tables, offering clear and insightful displays of expense data.

Certifications

- NestJS Microservices: Build & Deploy a Scaleable Backend Udemy
- 15 Days of SQL: The Complete SQL Masterclass Udemy
- Fast API - The Complete Course (Beginner + Advanced) Udemy

Education

Air University

Islamabad

BEE-Electronics. GPA 3.21

Sep 2015-Aug 2019

- **Editing Head of Airtect:** Led the editorial team, managed and developed content creation for university events.
- **Class Representative (CR):** Acted as the liaison between students and faculty, coordinated academic activities, and facilitated communication.
- **Departmental Head of Chess in Sports Club:** Organized and managed chess tournaments, promoted chess activities, and guided club members in developing their skills.

Additional Information

Open Source Contributor: Contributed in two highly popular open-source github repositories.

Training Experience: Gave two weeks of training in React.js at the Fauji Foundation head office.

Resource Management: Managed interns and junior developers.

Languages: English, Urdu

Interests: Video games, Chess, Cricket, Learning about new technologies