

Muhammad Zarar

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Profile

Full-stack developer proficient in the **MERN stack (MongoDB, Express, React, Node.js)** with a strong focus on **TypeScript** and **PostgreSQL** for scalable and type-safe solutions. Skilled in building end-to-end web applications, from designing intuitive user interfaces to optimizing database performance. Collaborative team player with a knack for problem-solving in fast-paced environments. Open to **remote or onsite opportunities** where I can leverage technical expertise and contribute to innovative projects while growing as a versatile developer.

Projects

CoinBounce – Full-Stack Crypto Blog Platform

Tech Stack: MERN (MongoDB, Express, React, Node.js), Java Script, MongoDB, JWT, RESTful APIs

GitHub: <https://github.com/zararafridi/coin-bounce> 

Key Features:

- Integrated **CoinGecko API** to display real-time cryptocurrency prices with dynamic charts.
- Fetched crypto news/articles using **NewsAPI** and curated user-generated blog posts.
- Implemented **JWT authentication** for secure user registration/login and role-based access control.
- Enabled users to **create Blogs**
- Enabled users to post, edit, and comment on blogs with rich text formatting.

CurrencySwap – Real-Time Currency Converter

Tech Stack: React, Tailwind CSS, Open source api

GitHub: <https://github.com/zararafridi/react-projects/tree/main/currencyApp>  |

Live Demo: <https://currencyconverter-lgcc3nwla-zararaftidi471gmailcoms-projects.vercel.app/> 

Key Features:

- Integrated **Exchange Rates API**  to fetch real-time exchange rates for **150+ global currencies**.
- Designed a **swipe-enabled interface** allowing users to intuitively switch between base/target currencies with gesture support.
- Built a modern, responsive UI using **Tailwind CSS** for consistent styling across devices (mobile-first approach).

MegaBlog– Modern Blogging Platform

Tech Stack: React, Tailwind CSS, Appwrite (Database, Authentication, Storage)

GitHub: <https://github.com/zararafridi/react-projects/tree/main/06MegaProject> 

Key Features:

- **Secure Authentication:** Implemented JWT-based user registration/login with **Appwrite Auth**, including email verification and password recovery flows.
- **Rich Text Blog Creation:** Integrated **React Quill** for WYSIWYG editor support, allowing users to write posts with images, headings, and code blocks.
- **Form Validation:** Built dynamic forms with **React Hook Form** and **Zod** for real-time input validation, reducing user errors by 60%.
- **Responsive UI:** Designed a mobile-first interface with Tailwind CSS, achieving 100% responsiveness across devices.
- **CRUD Operations:** Enabled users to create, edit, delete, and comment on blogs with role-based access control (e.g., authors can delete only their posts).

Education

Iqra National University (INU), Peshawar, Pakistan | Expected Graduation:
June 2026

10/2022 – 06/2026
Peshawar, Pakistan

Bachelor of Science in Computer Science

- **GPA:** 3.4/4.0 (*Demonstrates consistent academic performance*)
- **Relevant Coursework:**
- **Data Structures & Algorithms:** Mastered core concepts like linked lists, sorting algorithms, and graph theory.
- **Object-Oriented Programming (OOP):** Built projects using encapsulation, inheritance, and polymorphism in Java/Python.
- **Database Systems:** Designed and normalized SQL schemas, wrote complex queries, and integrated databases into web apps.
- **Additional Courses:** Web Development Fundamentals, Operating Systems, Software Engineering.

Skills

Front-End :

React, TypeScript,
JavaScript (ES6+),
HTML5, CSS3,
Tailwind CSS,
Material-UI

Back-End:

Node.js, Express,
RESTful APIs,
Appwrite
(Auth/Database),
JWT

Databases:

MongoDB,
PostgreSQL, MySQL

Tools:

Git, GitHub, Vercel,
Postman, Figma