

Muhammad Rafay

Full Stack Developer

Summary



Efficient fullstack developer with a proven track record of delivering successful projects through creative problem-solving and a robust skill set. Specialized in backend development, project management, and adept at utilizing state-of-the-art technologies to achieve exceptional outcomes. Devoted to improving system functionalities and streamlining processes. Actively seeking opportunities to contribute my expertise and drive innovation within a dynamic team.

Relevant Skills

- Backend: C++, Node, Express, Fast API, jQuery, PostgreSQL, MySQL, Postman
- Programming: JavaScript, Typescript
- Frontend: React, Redux

Education History

Information Technology University Lahore

BS in Computer Science Sep 2018 - Jan 2023

- Nurtured students' understanding of Computer Organization & Assembly Language.
- Guided students through low-level programming complexities, fostering critical thinking and practical skills
- Created app using OpenAI APIs that helps in writing and grading better papers and assignments

Career Summary

Humsafar
Backend Engineer

Nov 2023 - Present

- Developed a mobile application aimed at facilitating carpooling among users, enhancing convenience, reducing travel costs, and promoting eco-friendly transportation options.
- Developed backend with a focus on responsiveness and performance optimization.
- Implemented push notifications using Firebase Cloud Messaging to keep users informed.
- Handled the communication with RESTful APIs to manage ride requests, user profiles, and ride history.
- Optimized app performance and responsiveness through code reviews and regular updates.

SPPC
Backend Engineer

Feb 2023 – Oct 2023

- SPPC – Saudi Pakistan Professionals Community is a job portal tailored for Saudi and Pakistan professionals, similar to LinkedIn.
- I worked on its full-stack development to manage the product dispatching and Tracking using Next.js, Node, Redux Toolkit, Material UI, MongoDB and AWS.
- Developed user-friendly features including user authentication, intuitive job search, and Profile Management, enabling users to add education, work experiences, and manage their profiles.
- Enhanced user experience with Global Search, connection requests, real-time notifications, and chat.
- Created a comprehensive event system for users to attend, create, and manage event.

TDC Dashboard
Back-End Developer

Mar 2022 – Jan 2023

- Overhauled TDC Dashboard (mini-CRM) with BE(Nestjs, Mongoddb) for scalability and performance.
- Optimized data architecture for efficient retrieval, manipulation, and analysis using BE(Nestjs, Mongoddb).
- Automated backend processes for improved efficiency and reduced workload.
- Enhanced data accessibility and operational efficiency through optimized architecture.

Rotobot AI
Backend Engineer

Nov 2021 – Feb 2022

- Developed backend APIs using the Fast API framework.
- Built & maintained Fast API "Sign In with Google" feature (auth, MySQL)
- Performed CRUD operations on MySQL database
- Potential contributions to schema design and existing code optimization
- Experience with diverse backend frameworks and databases (NestJS, MySQL, Postgres, Mongo)
- Designed and implemented efficient and scalable APIs to meet project requirements.
- Implemented data validation mechanisms and handled errors gracefully for API stability.

Real Estate App:
Fullstack Developer, Mainly Backend

Dec 2020 – Oct 2021

- Built backend APIs with Nestjs, Prisma, and Postgres.
- Optimized app usability with efficient data access and user-focused features.
- Enriched user experience through intuitive design and analytics.
- Secured transactions with blockchain integration.
- Collaborated closely with clients and documented requirements clearly.
- Provided a roadmap for efficient development and project alignment.