Muhammad Hassan Rana

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SUMMARY

I'm a Full Stack Engineer with over 2.5+ years of experience in developing robust web applications. My expertise lies in both frontend and backend development where I focus on creating seamless user experiences through meticulous attention to performance and innovation. I thrive in dynamic environments and quickly adapt to new technologies, facilitating the achievement of business objectives through collaborative techniques

TECHNICAL SKILLS

Programming Languages: C/C++, JavaScript, SQL, TypeScript, HTML

Frameworks and Libraries: React, Next.js, Node.js, Express.js

Backend and APIs: Node.js, Restful APIs, Stripe (as a payment gateway API)

Databases: MongoDB (NoSQL), PostgreSQL (SQL)

DevOps and Tools: Docker, Git, Github, Caching

EXPERIENCE

Kryptohive   Islamabad, Pakistan
Senior MERN Stack Developer   *Sep 2025 – Present*
  • Leading the development of scalable microservices architecture, optimizing trade engine performance, and mentoring junior developers.

  • Collaborated with cross-functional teams to enhance system reliability and deliver new trading features aligned with business goals.

MERN Stack Developer   *June 2025 – Sep 2025*
  • Designed and implemented a full-stack paper-trading platform simulating real-world crypto trading with Binance WebSocket and REST APIs.

  • Developed robust trade logic in Node.js/Express with support for market & limit orders, simulated slippage, P&L calculation, and full portfolio management.

  • Built a responsive frontend dashboard (React/TypeScript) that visualizes live charts, order depth, trade history, and dynamic profit/loss snapshots.

  • Persisted users and trade data in MongoDB, enabling history tracking, backtesting, and real-time analytics.

Full Stack Engineer   May 2024 – June 2025
QLU.ai   *Islamabad, Pakistan*
  • Built responsive, user-friendly interfaces by implementing best practices in front-end development, ensuring cross-platform compatibility and improved user engagement

  • Optimized application performance by 30% through improved resource loading, caching strategies, and minimizing redundant processes, leading to faster load times and a smoother user experience

  • Integrated over 30,000 executive profiles on the platform in collaboration with the AI team

  • Developed incredibly useful features in collaboration with the Design and AI Teams

  • Improved search accuracy by 20%, delivering more relevant results

  • Developed and integrated REST APIs and managed databases for seamless data exchange and integrity

  • Developed chrome extension which scrape the details of linkedln Profiles

  • Implemented a LinkedIn invite flow, enabling users to send personalized invitations directly through the platform

  • Built a LinkedIn message-sending flow that allows users to automate and send customized messages to their LinkedIn connections via the platform

  • Integrated Stripe payment gateway for seamless online payments, including handling payment intents, checkout sessions, and webhooks for real-time transaction updates

Full Stack Developer — Nov 2023 – May 2024
PreMed.pk — *Karachi, Pakistan*
- Reduced page load time by 15% by refactoring code and optimizing database queries, resulting in faster navigation
- Implemented a new feature for personalized dashboards to enhance user experience
- Contributed to improve the overall system performance, leading to reduction in server response time
- Developed their vault page for their courses

Frontend Developer — June 2023 – Nov 2023
Interns Pakistan — *Faisalabad, Pakistan*
- Gained hands-on experience with frontend technologies such as HTML5, CSS3, JavaScript, PHP, and WordPress
- Collaborated with the design team to transform mockups into responsive and interactive web interfaces, enhancing user experience (UX)
- Gained insight into responsive web design principles and best practices, ensuring cross-device compatibility
- Wrote clean, efficient, and maintainable code for various web projects

PROJECTS

Yoto.ai — May 2023 – Present
Recruitment Automation tool for profile searching — *Next.js, Node.js, Express.js, SCSS, Stripe*
- Automated Profile Searching tool that scrapes filters from prompts and search profiles, allowing users to invite their friends and colleagues to utilize the free subscription

Yoto.ai Chrome Extension — May 2023 – Present
Chrome extension for LinkedIn contacts and executive search. — *React.js, Webpack cli, SCSS, typescript manifest*
- A Chrome extension designed to enhance user engagement by allowing users to extract contact information from LinkedIn profiles. It also supports executive search functionalities, making it a valuable tool for professional networking and recruitment.

PreMed.pk — Nov 2023 – May 2024
Online Learning Platform for Medical Students — *Next.js, Node.js, Express.js, SCSS, Tailwind*
- Designed a system for medical students to assist them in preparing for medical entrance exams, including a vault for tutorial access

Brillian Pro — Jan 2023 – Nov 2023
E-learning application for improved learning experience — *Next.js, Node.js, Express.js, SCSS, Tailwind*
- An E-learning application with admin panel and user management features, developed key modules to improve content delivery and integrated analytics for better user engagement insights

EDUCATION

National University of Computing and Emerging Science — Islamabad, Pakistan
Bachelor of Science in Computer Science — *Aug 2019 – Dec 2023*

CERTIFICATIONS

- Full Stack Web Development - Arfa Trainings Lahore