

Muhammad Khurram

Software Engineer (MERN · Backend-Focused)

✉ contact@khurammirza.com | 📞 +92 302 4900590

🔗 LinkedIn: <https://www.linkedin.com/in/khuram-mirza-4237602b6/>

📄 GitHub: <https://github.com/KhuramMirza>

🌐 Portfolio / Live Projects:

<https://reflect.khurammirza.com/> | <https://alhabibtravel.co.uk/>
<https://umrahpackage.alhabibtravel.co.uk/> | <https://ticketbookings.site/>

PROFESSIONAL SUMMARY

Backend-focused Software Engineer with 2+ years of hands-on experience designing and deploying production-grade MERN stack applications. Strong expertise in system architecture, REST API design, MongoDB schema modeling, and performance optimization. Proven ability to deliver end-to-end solutions independently, including AI-integrated platforms, scalable content systems, and conversion-focused business websites with measurable impact.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+)

Backend & Architecture: Node.js, Express.js, REST APIs, JWT Authentication, Zod Validation, MongoDB (Aggregation Pipelines, Schema Design, Normalization), Supabase

Frontend: React.js, Next.js (App Router), Tailwind CSS, Redux, Context API

DevOps & Tools: Git, GitHub, Postman, Vercel, Render, Groq API (AI)

PROFESSIONAL EXPERIENCE

Software Engineer (Contract) AI Habib Travel Ltd | *London, UK (Remote)* | 2025 – Present

- Owned the full software development lifecycle for multiple paid client projects (requirements, system design, development, deployment).
- Architected and re-engineered legacy systems into modern, scalable full-stack applications using Next.js, Node.js, and MongoDB.
- Designed custom admin dashboards enabling real-time content and data management across 200+ dynamic pages.
- Implemented performance optimizations reducing page load times from ~2 minutes to under 5 seconds (~95% improvement), directly increasing lead generation from 1–2/day to 12–15/day.
- Built secure, production-ready REST APIs with JWT-based authentication and structured validation using Zod.

- Delivered a lightweight, conversion-focused landing page (ticketbookings.site), optimized for fast load times and efficient user query collection.
 - Collaborated directly with non-technical stakeholders to translate business requirements into scalable technical solutions.
-

KEY PROJECTS

Reflect – Personalized AI Learning Platform (Final Year Project)

Role: Lead Full Stack Engineer

- Designed and implemented a scalable MERN system integrating Groq AI API for dynamic learning content generation.
- Engineered a complex MongoDB schema to manage adaptive learning paths, user progress tracking, and AI-generated assessments.
- Implemented secure authentication and optimized state synchronization to ensure low-latency user experience.
-  Live: reflect.khurammirza.com

High-Performance Business Platform (Client Project)

- Re-architected a legacy website into a modern Next.js full-stack application serving hundreds of dynamic pages.
- Implemented on-demand revalidation to balance static performance with dynamic data freshness.
- Developed a custom admin panel allowing non-technical users to efficiently manage large datasets.

Conversion-Optimized Landing Pages (Client Projects)

- Diagnosed critical performance bottlenecks, improving Google Ads campaign performance.
 - Optimized asset delivery and rendering strategies, achieving up to 95% reduction in load time.
 - Directly contributed to increased lead volume and improved return on ad spend (ROAS).
-

EDUCATION

Bachelor of Science in Software Engineering

COMSATS University Islamabad, Sahiwal Campus | 2022 – 2026

Focus Areas: Software Architecture, Database Systems, Web Engineering