



# Muhammad Rehan Baig

Senior Full Stack Software Engineer

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## PROFESSIONAL SUMMARY

Senior Full Stack Software Engineer with 8+ years of hands-on experience building scalable SaaS products for enterprises in Canada, Finland, Ireland, UK, and the Middle East. Delivered end-to-end solutions across Fleet, FoodTech, Real Estate, Fintech, Pharma, and MedTech using .NET, Blazor, SQL Server, Azure, and modern JavaScript frameworks. Consistent track record of reducing manual overhead, improving system performance, and shipping features on time in fully remote, cross-functional teams. Holds a Master's degree in Software Engineering.

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## WORK EXPERIENCE

### Senior Full Stack Software Engineer · Architecture In Motion Inc · Canada — Remote *May 2024 – Present*

- ▶ Built analytics features in .NET 8 Blazor, SQL Server, and Azure that gave fleet managers real-time performance data, significantly reducing unplanned breakdowns.
- ▶ Developed real-time vehicle tracking and in-app chat modules using GraphQL subscriptions, improving coordination between managers and field technicians and reducing average response lag by approximately 40%.
- ▶ Automated recurring fleet compliance tasks, eliminating manual data entry and reducing the risk of missed regulatory checks.
- ▶ Delivered a white-label admin portal that streamlined customer onboarding and reduced setup time for new clients.
- ▶ Currently building an AI-based platform for autonomous AI Agents. Using OpenAI, Azure Search, Azure AI Foundry, n8n and various AI models.

### Senior Full Stack Software Engineer · Teqo Cloud · Finland — Remote *Jul 2023 – May 2024*

- ▶ Architected a multi-tenant SaaS platform using Blazor and .NET 8, scaling it to reliably support hundreds of concurrent users.
- ▶ Owned the full development lifecycle for multiple features from planning through QA, from food ordering to kitchen with kitchen display system and notifications to delivery/serving to table, accelerating the team's release cadence by 20% quarter-over-quarter.
- ▶ Redesigned RESTful API contracts in collaboration with frontend and mobile teams, cutting integration turnaround time by up to 30%.

### Senior Full Stack Software Engineer · Appxone · Pakistan — Remote *Oct 2021 – Jun 2023*

- ▶ Designed a microservices-based financial reporting system that improved processing efficiency by over 35% compared to the previous monolithic approach.
- ▶ Built and maintained secure ASP.NET solutions compliant with State Bank of Pakistan regulatory requirements.
- ▶ Optimised SQL Server schemas and queries for high-volume transactional data, reducing average query response time by up to 50%.
- ▶ Partnered with product managers and QA teams to clarify requirements and deliver well-tested, production-ready features.
- ▶ Managed code quality and release workflows using Git and JIRA in a structured agile environment.

### Full Stack Software Engineer · Exedra (IoT Solutions) · Kuwait — Remote *Jan 2019 – Sep 2021*

- ▶ Designed multi-layered .NET Core architectures to support scalable, long-running IoT workloads, enabling the platform to handle a 3× increase in concurrent device connections without degradation.

- ▶ Implemented security filters and authentication layers across client-facing product features.
- ▶ Built and optimised IoT data pipelines to support real-time analytics dashboards.

**Software Engineer** · WaqarTech Limited · Pakistan *Oct 2017 – Dec 2018*

- ▶ Delivered ASP.NET, JavaScript, and SQL features across agile sprint cycles for Supermeal (a food-ordering platform) and a Consumer Data Protection Application.
- ▶ Improved UI workflows and backend business logic based on user feedback and stakeholder requirements.
- ▶ Participated in code reviews, applied OOP and design patterns, and helped maintain consistent coding standards across the team.

## EDUCATION

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**Master of Science in Software Engineering** *2018 – 2020*

Bahria University

*Advanced software design, distributed architecture, and scalable systems engineering.*

**Bachelor of Engineering in Software Engineering** *2014 – 2018*

Mehran University of Engineering and Technology

*Core software development principles, data structures, algorithms, and engineering practices.*

## TECHNICAL SKILLS

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**Languages & Frameworks:** C#, ASP.NET, .NET Core, .NET MVC, Blazor WebAssembly, JavaScript, TypeScript, ReactJS, NodeJS, ExpressJS, MUI, Tailwind

**APIs & Communication:** RESTful APIs, Web APIs, Web Services, SignalR, Socket.IO, GraphQL, GraphQL Subscriptions

**Databases:** SQL Server, PostgreSQL, Vector DB, Cosmos DB

**Cloud & DevOps:** Microsoft Azure, Serverless Architecture, CI/CD Pipelines

**Architecture & Design:** Microservices, Monolith, Service Oriented, Software Architecture, Caching Strategies, TDD / Unit Testing

**Tools & Workflow:** Git, Bitbucket, GitLab, JIRA, Agile / Scrum

**Emerging Technologies:** OpenAI, Azure AI, Azure AI Foundry, Claude, N8N