MOHAMMAD SAIMUR RASHID

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TECHNICAL SKILLS

- **Languages & Frameworks:** C# (.NET Framework 4.8 / .NET 8), ASP.NET Core, WPF (MVVM), Entity Framework, JavaScript / TypeScript, Angular, React, Blazor, Java
- **Backend & Integration:** RESTful APIs, WebSockets, TCP/UDP socket programming, MQTT, multithreading & asynchronous patterns
- **Databases:** SQL Server (MSSQL), PostgreSQL, MongoDB, Firebase
- **DevOps & Tooling:** Azure DevOps (CI/CD pipelines, boards), Git, GitHub Actions, unit & integration testing
- **Principles & Practices:** Clean Code, SOLID, design patterns, Agile / Scrum

EXPERIENCE

Genetec – Software Developer Intern | July 2024 – Aug 2025

- **Disaster Recovery Tool** → Recovered terabytes of video/GPS data from crashed vehicle hard drives by extracting proprietary video formats, restoring MSSQL timelines, aligning streams, and **packaging everything into a portable, plugin-free offline player**.
- **Health Monitoring Service** → Implemented a configurable UI that allows users to choose status types & severity levels, driven by a backend service that screens live API data against user-selected rules, raises events only for relevant items and persists active alerts to avoid duplicates, **giving customers early visibility into issues before outages occur.**
- **Clever Devices Simulator** → Developed a TCP/IP server that emulates field hardware, handling full request/response cycles so plugin teams can run integration and CI tests in a controlled environment, **removing the need for physical devices.**
- **License Usage Dashboard** → Built a client that monitors product license metrics in real time, computes per-connection usage, and surfaces current capacity in the UI, **preventing over-allocation during large deployments.**
- **Simulated Data Provider** → Built an end-to-end WPF interface to capture user input, generate pipeline configs, and launch simulations, **enabling QA and dev teams to run tests faster without manual setup.**

Technologies: .NET Framework 4.8, C#, ASP.NET, WPF (MVVM), MSSQL, Azure DevOps, Git, TCP/IP socket programming

SELECTED PROJECTS

Rate-Limited URL Shortener → Built a scalable URL-shortening service with API-key auth and Redis token-bucket rate limiting, following clean-architecture patterns and Docker-orchestrated micro-services (**ASP.NET Core, Angular, Redis, PostgreSQL, Docker**).

Employee Manager Suite → Created multiple CRUD variants of an employee-management app to showcase different presentation stacks—MVC, Razor Pages, Web API + jQuery, Angular, and Blazor—each using async/await, EF Core models, and JWT-secured calls (**ASP.NET Core, EF Core, SQL Server, Angular, Blazor, jQuery, JWT**).

Marketplace → Built an online marketplace where users can open multi-shop seller accounts, manage products, search listings, and place orders through a shopping-cart flow—implemented end-to-end with the **MERN stack (MongoDB • Express • React • Node.js, with JWT authentication)**.

EDUCATION

Diploma of College Studies (DEC), Computer Science | LaSalle College, Montréal | Aug 2022 – May 2025

Key coursework: Operating Systems, Networking, Data Structures, Multi-tier Application Dev, Mobile Dev (Android/iOS)