

RISHU CHAUHAN

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EDUCATION

B.Tech, IILM COLLEGE OF ENGG. & TECHNOLOGY, GAUTAM BUDDH NAGAR

2020 – 2024

B.Tech - Computer Science Engineering - CGPA - 7.3

Uttar Pradesh

EXPERIENCE

Senior Associate at TechZest Global Solutions

May-2024 - Present

- Designed and developed a **real-time dealer dashboard** to monitor turnover, exposure utilization, and percentage calculations based on approved limits.
- Working on a **financial domain project**, handling **end-to-end development (frontend and backend)**.
- Developed a **custom TCP/IP communication protocol** for real-time market data processing.
- Optimized database operations and improved performance using **LINQ-based queries**.
- Implemented **multithreading** to handle high-volume concurrent data streams efficiently.
- Followed the **MVVM architecture** to ensure modular, maintainable, and scalable solutions.

PROJECTS

RiskDashboard | .NET Core, ASP.NET Web Form, MySQL, LINQ, Multithreading, TCP/IP

- Built a **scalable console application** that connects to multiple instances to fetch real-time market data.
- Calculated turnover and exposure metrics and continuously pushed updates to the frontend.
- Designed and developed a **real-time financial dashboard** using ASP.NET Web Forms, WinForms, and DevExpress.
- Implemented **TCP-based data transmission** for low-latency server-to-frontend communication.
- Used **LINQ-based data aggregation** to process large-scale financial transactions efficiently.
- Applied **multithreading** to handle concurrent requests, reducing response time and improving system performance.

XTradePro | ASP.NET Web Form, WinForms, Devexpress, LINQ, Multithreading, TCP/IP

- Designed and developed a **real-time trading frontend application** for portfolio creation and order placement.
- Implemented live monitoring of **orders, trades, and notifications** with real-time updates.
- Developed configurable **settings panels** allowing users to customize fonts, sizes, colors, alerts, and display preferences.
- Integrated **TCP/IP-based communication** for reliable, low-latency data exchange.
- Used **LINQ and multithreading** to efficiently manage concurrent requests and responses.

DBService | .NET Core, MySQL, LINQ, Multi-Threading, TCP/IP

- Developed a **TCP-based console service** acting as both client and server for real-time data ingestion and reporting.
- Implemented **dual-port TCP listeners** to independently handle FIX data input and frontend client connections.
- Persisted incoming FIX data into **MySQL in real time** using optimized LINQ processing.
- Used **multithreading** to manage concurrent FIX feeds and multiple frontend clients with minimal latency.
- Utilized **multithreading** to manage multiple FIX feeds and frontend clients with minimal latency.

TECHNICAL SKILLS

Backend Technologies : C#, .NET Core, SQL, LINQ, Multithreading, TCP/IP, OOP, CI/CD, DI, Version Control

Frontend Technologies : ASP.NET Web Form, WinForms, DevExpress Control

Frameworks/Libraries: ASP.NET Core, .NET Framework, Entity Framework Core

Developer Tools: Visual Studio, GitHub Desktop, VS Code, HeidiSQL, MySQL Workbench, Postman, Swagger

Other: ChatGPT, GitHub Copilot, WinSCP, PuTTY, MVVM, MVC, XML, Web APIs

* · Always keen to learn new tools and technologies to reduce time and increase efficiency.