Rao Hammas

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Education

MPHIL CS | 2020 - PRESENT | NCBA&E

BSCS (HONS) | 2014-2018 | INSTITUTE OF SOUTHERN PUNJAB

Work experience

Logiciel Services, Pak

Senior Software Engineer| 2023 – PRESENT

Working on a high performance, multithreaded trading application for the US stock market. Application is based on .NET 6, WPF framework, using DevExpress UI components on the frontend. Following the MVVM and clean code principles and patterns, dealing with real time data using Reactive extensions, Dynamic Data and other tools.

Responsibilities

I'm leading the development of a new application "Risk System" from scratch (part of the main trading application) with a small team of engineers.

Designing the architecture of the application that supports the Inter-Process communication.

Developing the high-performance UI and writing backend code while following clean code principles.

Predica, Poland (Remote)

Senior c#, wpf developer | 2022 – 2023

Worked remotely on a **"critical care" medical device** project based on **.Net 6 and WPF**, with a multi-national, multi-cultural team of highly skilled developers based in Poland and USA. Followed the **Scrum** development process, Used **Azure Dev. Ops** for version control and project management and other modern practices of development and deploying modern .NET software products.

Responsibilities

I contributed in GUI development with **XAML** and coding using **C#** that involved, writing efficient **multi-threaded**, **asynchronous** code while following the **MVVM** practices and **SOLID** design principles.

Used **SQLite** as database, **Entity framework** as the ORM and **gRPC** service to implement robust data related operations and services.

Designed User-controls and Custom Controls based on Figma designs given by the design team.

I wrote unit tests using **XUnit** and **MOQ framework** by following **AAA** pattern. Achieved maximum code coverage and worked with tools like dot cover and Re-sharper tests.

I did a lot of **bug fixing**, testing and **optimization** of already existing code while adding new features.

Participated in daily **scrum** meetings, sprint retrospective meetings, code reviews and general discussions.

iFish Technologies, Pak

Senior software engineer | 2018 – 2022

Worked on a large **ERP software** development. That is being used by the automotive industry e.g. Toyota and KIA motors. Was involved in designing the user interface, back-end and maintenance of the product. Worked extensively on **SQL server** and **WCF service**.

Responsibilities

- Designing modern responsive GUIs using **WPF** and writing back-end code with **C#.**
- Designed and developed, from scratch, business solutions like Dashboards for data analysis and reporting. Real time data visualization applications like Job progress control board, appointment boards and terminal apps.
- Worked on features related to Finance, HRM, CRM and reporting
- Built and maintained **WCF services**. That are being consumed by desktop, mobile and web clients.
- Worked with **MSSQL server**. Wrote and optimized complex **queries** and **store procedures** for robust data operations.
- Used **ADO.Net** for data related operations.
- Designed and integrated **SAP crystal reports** into business systems.
- Wrote documentations and **trained clients.**
- Developed tools and modules to solve specific problems and more...

Other experience

In addition to years of experience in developing commercial products, I have a passion for writing code in C# and creating various tools to solve problems. I have understanding and practical experience with the following tools and technologies.

Blazor.net, .Net MAUI, GitHub, GitHub-actions and CI/DI using GitHub, Dapper ORM, Minimal API and REST, HTML, CSS, Java-script.

I have a thorough understanding of concepts and patterns such as dependency injection, the singleton and factory patterns, Clean architecture. I have hands-on experience with frameworks like MVVM toolkit and Caliburn micro.

Languages

- **English**: Fluent, excellent written and spoken
- **Urdu**: Native

Portfolio website: https://www.raohammas.site/