Rao Hammas

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Education

MPHIL CS | 2020 - PRESENT | NCBA&E

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

Work experience

Predica, Poland (Remote)

Senior c#, wpf developer | 2022 – 2022

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/