

Ahmed Kheireddine Boulassel

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Profile Summary

Motivated software developer with a good knowledge of C# and .NET (.NET 5 and .NET framework), looking to use and improve my skills by working on useful softwares, especially WPF/XAML applications. With over 2 years of practical experience in software development using WPF technology and in back-end development for a game server written in C#, I'm also open to learn new technologies or improve my basic knowledge and skills in JS and React.

Career

Heart for Games, Canada:

Indie game studio with a team of 3 people

Back-end Developer: 2020 – Present

- Develop and maintain game server(s) for MMO game using .NET 5
- Define a server authoritative mechanism in order to avoid cheating or illegal command
- Implement a schedule task system
- Implement a data locking mechanism allowing efficient and minimal locking while ensuring data integrity
- Implement a 3 tiers data logging system in order to reduce pressure on game server
- Improve data security by isolating the database server from the game server
- Design API on top of TCP protocol
- Implement and maintain data transmission using the Protocol Buffers data format

Software Developer: 2020 – Present

- Develop internal tools for controlling game servers using WPF/XAML and .NET5
- Design software with MVVM
- Develop internal tools for automating deployment of game builds to Microsoft Store and to Google Play Store

Game Developer (Unity): November 2022 – Present

- Implement new features in scripting
- Maintain the TCP communication protocol with the server
- Debug existing code
- Implement bug fixes

Skills

- C#, WPF/XAML and .NET
- Understand RESTful API with basic knowledge of HTTP protocol
- Programming and debugging using Visual Studio
- Version Control with Plastic SCM
- Speak Arabic (mother language), good written/basic spoken English and basic French

Education

Master's degree in Instrumentation Engineering, University of Skikda, July 2019