

Mohammad Shahriari

Unity Game Developer

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EXPERIENCES:

Unity Developer, [Medrick FZE](#), Sep 2020 – Present (2 years and 8 months)

- *Technical lead* of [Mighty Wars](#) project (an online strategy game), developing its core game mechanics and designing its overall architecture.
- One of the 5 main members of the company's technical chapter, developing company's technical pipelines and visions.
- As a *Senior developer*, participating in the architectural design and developing the in-house infrastructure of a "[Live Ops System](#)".
- *Senior developer* in "[Hokm](#)" project (a multiplayer card game) with the responsibility to maintain and extend it with constant updates.
- *Senior developer* in "[Golshifteh](#)" (a match-3 game with decoration meta), implementing social features like chat, groups, friends, and also building its **iOS** version.
- *Senior developer* in "[BabaShah](#)" and "Heshmat" projects (same gameplay with different meta) to maintain and extend them with new features, after their main developer left the studio

Back-End Developer, [Part Games Studio](#), MAY 2019 – JULY 2020 (1 year and 2 months)

- Developing the backend for profile management, purchase verification and matchmaking for our beloved real-time PvP game called "[Battle Arena](#)".
- Developing a server application for profile management, leaderboard, chat and purchase verification for our idle-clicker game called "King Keyvan", using .Net Core and MongoDB.
- Developing a socket-based server app for a real-time strategy/tycoon game for a 2-days event called "[Game-In](#)" at [Sharif University of Technology](#).

Unity Developer, [Part Games Studio](#), MAY 2018 – MAY 2019 (1 YEAR)

- Developer of a story-driven point and click adventure game for Android called "Lost Days".
- Participating in the development of a real-time multiplayer strategy project called [Game-In](#).
- Participating in the development of a project called "mini games", including about 10 different mini-game as an android application.

Game Designer, Teetotum, NOVEMBER 2017 – MAY 2018 (7 MONTHS)

- Designing more than 100 puzzle levels in many types like trivia, lateral thinking, spatial reasoning, ...
- Writing a complete GDD for the game.
- Participating in the design of the economy system of the game.
- Managing publish phase including app store screenshot designs and description.

SKILLS:

- Software Engineering:
 - Software Architecture
 - Design Patterns
 - Design Principles Like SOLID and Code Smells
 - TDD Practices
- C#:
 - Expert in C# programming language, with extensive knowledge of its core concepts and advanced features, including multi thread programming, LINQ, reflection, asynchronous programming.
 - Good understanding of .Net framework
- Unity:
 - Proficient in working with the engine, with expertise in developing games for mobile and WebGL.
 - Keeping myself up-to-date with Unity's new features such as Addressables, Localization, Net Code, UI Toolkit and DOTS.
- Back-End development and Networking:
 - Deep understanding of network and its architecture like client-server or P2P
 - Having experiences with TCP, UDP and WebSocket
 - .Net and .Net Core
 - Mongo DB and SQL Server and in-memory databases like Redis
 - [Nakama](#) Back-End Framework
 - Familiar with [Photon](#) and [Mirror](#)
 - Familiar with Docker and the concept of containers
- Gameplay Programming:
 - Implementing core mechanics from scratch or participating in the design or maintenance for games in different genres like: Idle/Strategy, story-driven adventure, solitaire, Court piece and word puzzle game.
 - Implementing interactive tutorials
- Software Development Methodologies and Frameworks:
 - Agile Practices
 - Scrum
- Version Control Tools and Principles:
 - Git, its commands, git flow and its branching rules
 - Familiar with Tortoise SVN
 - Code Review and Merge Policies

LANGUAGES:

- Persian (Native)
- English (Proficient)

EDUCATION:

Bachelor's Degree in Software Engineering, Azad University, Central Tehran Branch