Kaushal Joshi

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Employment

Unity Developer	Arbelos Interactive	2020 - Present

Stemuli (shipped)
- Design and maintain technical design documents
- Design and implement the character, camera, and controls
- Implement various multiplayer systems and features using Photon Fusion
- Design and implement content delivery strategy which helped reduce the initial build size by 200mb
- Mentor junior members and ensure they follow best practices
- Responsible for windows, android, iphone and linux builds
- Optimized memory usage from 2.5gb down to 1.4gb to meet requirements
- Use the profiler to find bottlenecks and optimize code which helped improve the server performance by 30%

Stemuli - pilot (shipped)
- Work with design and art team to implement various game features
- Design and implement various game systems
- Write clean, efficient, and maintainable code that meets design specifications
- Suggest and implement tools to help improve workflow
- Successfully implement a new git workflow that reduced git conflicts by 95%

Vizplay
- Create editor script for a very frequent task to improve workflow, it saved 20 sec
- Implement asset bundles hosted on aws to reduce initial build size by 70%
- Use custom in-house framework to develop various mini games
- Use unity's profiler to detect and optimize bottlenecks, which doubled the fps

Education

Game Development Advanced Programming	Sheridan College	2018 - 2019
Computer Engineering Technology	Sheridan College	2014 - 2017

Projects

Idol Showdown (2020 - 2023) - worked in a large team to develop a 2D pixel art fighting game. Available on Steam. C#, Unity, Steamworks, Wwise, GGPO, JSON.
Mirror Labyrinth (2019) - work in a team of 5 to create a twin - stick action/puzzle game. Available on Itch.io. C# , Unity, JSON

Skills and Technologies

Languages: C++, C#, JSON, YAML, JavaScript
Technologies: Unity, Unreal Engine, Steamworks, Wwise, Photon, Playfab, React.js
Platforms: Windows, Android, Iphone, linux server
Project management: Git, Jira, GitHub, Slack, Zoom, Figma, Git LFS
Database and Storage: SQLite, Firebase, AWS, Azure
Soft skills: Communication, Teamwork, Detail Oriented, Problem Solving