PRATHIK JKUMAR

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Summary

Highly organized and motivated recent graduate actively seeking a part-time position. A dedicated team player with strong problem-solving skills and a keen eye for detail. Possessing excellent communication skills and a proven ability to work effectively in fast-paced environments. Eager to contribute to a dynamic organization while further developing professional skills.

Skills

C#: Proficiency in C# programming language, including object-oriented programming (OOP) concepts, LINQ, and the .NET framework.

C++: Strong knowledge of C++ programming language, including memory management, templates, and the Standard Template Library (STL).

Python: Proficiency in Python programming language, including its syntax, data structures, and popular libraries/frameworks such as NumPy, Pandas, and Django.

Object-Oriented Programming (OOP): Understanding of OOP principles and the ability to apply them in C#, C++, and Python programming.

Software Development: Experience in developing software applications using C#, C++, and Python, including designing, coding, testing, and debugging.

Problem-Solving: Ability to analyze complex problems, break them down into manageable tasks, and develop effective solutions using C#, C++, or Python.

Algorithms and Data Structures: Strong understanding of fundamental algorithms and data structures and their implementation in C#, C++, and Python.

Code Optimization: Knowledge of techniques to optimize code performance, memory usage, and execution time in C#, C++, and Python.

Debugging and Testing: Proficiency in using debugging tools and conducting thorough testing to ensure code quality and functionality.

Version Control: Familiarity with version control systems like Git, enabling collaboration and tracking changes in code repositories.

Collaboration and Communication: Ability to work effectively in teams, collaborate with colleagues, and communicate technical concepts clearly.

Continuous Learning: Dedication to staying updated with new features, libraries, and best practices related to C#, C++, and Python.

Game Development with Unity3D: Proficiency in developing games using Unity3D, including scripting with C#, Asset integration, UI/UX development, bug fixing and testing.

--- **Experience** ---

Freelance software developer and tester | Vincell Studios - Edmonton, AB| 10/2022 - 04/2023.

- Developed game levels and Puzzles using programming languages such as C#, along with Unity. Responsible for implementing game mechanics, user interfaces, AI systems, and other game features.
- Tested games to identify and report bugs, glitches, and other issues. Responsible for ensuring that the games meet quality standards and are free of technical and gameplay-related errors.

Intern Software Developer | Vincell Studios - Edmonton, AB| 05/2022 - 08/2022

- Assisted in the development of mobile hidden escape games, working closely with senior developers and designers.
- Implemented game mechanics and interactive features, such as puzzle-solving, item collection, and character interactions, using game development frameworks like Unity with Fungus.
- Conducted bug testing and troubleshooting to ensure a smooth gameplay experience.
- Optimized game performance and user experience by implementing efficient coding techniques.
- Participated in regular code reviews to maintain code quality, identify potential bugs, and improve coding practices.
- Contributed to the creation and maintenance of technical documentation and code repositories.

Team Member | Tim Hortons - Medicine Hat, AB | 10/2021 - 04/2022

- Improved knowledge and productivity through continuous education and learning from senior team leaders. Developed positive customer relationships through friendly greetings and excellent service.

--- **Education and Training** ---

Medicine Hat College | Medicine Hat, AB, Canada | in 04/2023
IT Diploma: Software and Internet Development

Carmel Garden Matriculation Higher Secondary School | Coimbatore, TN, India |03/2020
Higher Secondary (12th Grade)

--- **Languages** ---

- English – Fluent
- French – Beginner
- Tamil - Native

--- **Reference** ---

- Reference Available upon request.