

February 19, 2024

Machobear Studios Inc

Location: Vancouver, British Columbia

Dear Hiring Manager:

I am writing to apply for the **Junior Developer** placement at Machobear Studios. I am eager to learn and grow in the field of software development and I believe that this role will help me gain valuable work-experience related to my interests and help me acquire a practical understanding of the software development cycle in a real-world setting.

I have a fascination for developing web and mobile applications, and I am continually learning new skills through personal projects outside school. I have been involved in 13+ software development projects, which includes developing an iOS weather application in Swift Programming Language, making a 3D graphical simulation of a Rubik's Cube in OpenGL and C+ and developing many web development projects in JavaScript and TypeScript. I have interests in the field of Visual Computing and Artificial Intelligence, and have been taking an active interest in the field through my coursework and side-projects. I have been an active member in the UVic Engineering Students Society (ESS) and UVic Rocketry club (UVR) and have volunteered in multiple events, engaged in development projects throughout my time.

As a third-year student studying software engineering, I have had the chance to learn concepts like object-oriental programming, software development, testing and evolution, data structures and advanced algorithms. I have actively contributed to the UVic Rocketry Ground Support team as a front-end developer, where I have developed many web-elements in TypeScript-React. I am familiar with writing queries and designing database schema in PostgreSQL as well as NoSQL Databases and have frequently used tools like MySQL and Mongoose in some of my projects. I am also familiar with testing tools such as Selenium, JUnit, Maven, Gradle, and have experience in writing unit and integration testing. Throughout my previous projects, I utilized ticketing tools like Jira, Kanban, documentation, and code refactoring to ensure reproducibility in my code. I am adaptable and always eager to learn and am confident that I can quickly gain familiarity with any new tools or techniques necessary to excel in this role.

I am currently available for an 8-month work term and would be open to the possibility of participating in more than two consecutive terms. Thank you for considering my application. I look forward to the opportunity to further discuss my skills and experience with Machobear Studios.

Most Sincerely,



Arfaz Hossain (He/Him)
Software Engineering Student,
University of Victoria