| Laurel Hu  Barcroft Drive, Fredericton · cell: 506-440-2286  **Laurel.hht@gmail.com · Linkedin:** [**https://www.linkedin.com/in/laurelhuitinghu/**](https://www.linkedin.com/in/laurelhuitinghu/) |
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| Over 3+ years of Software Engineer experience in the field of designing, maintenance and testing to cater to the specific needs of clients. I wish to work in a fast-paced environment and a team of motivated individuals who wish to work towards the advancement of the company and its goals. |

# Technical Skills

| * Programming Skills: JAVA, C, C++, C#, Python, JavaScript. * Framework: Django, Flask and Spring * Cloud computing: AWS, IBM Cloud and Azure | * Database: PostgreSQL, MsSQL * CI/CD: Jenkins, Docker and Kubernetes * Environment: Linux, Mac and Windows. * Dev tools: Eclipse, IntelliJ and PyCharm |
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# Professional Experience

| Back-end Developer, **IBM**September 2019 – 2021, 2021 – presentresponsibilities*:*  * Maintained **Java** application to import data from sources to database, added functions and plugins based on current framework. Use **LOG4J** for debugging and **JUNIT** for testing. * Used **Maven** and **Gradle** scripts for building and deploying the application. * Developed and managed database using RDBMS concepts including **PostgreSQL**, **MSSQL** and experienced in writing SQL queries, PL/SQL, T-SQL, Stored procedures, prepared statements, and triggers. * Developed and maintained automated CI/CD pipelines on **Git** for deployment using **Jenkins**. * Built and deployed **Docker** containers to run the application and improve developer workflow, increase scalability, and optimize speed. * Familiar with the **Agile** environment and experienced in **Scrum Master** role with proven track records of delivering work results.  Achievements*:*  * Developed an Incremental import for Java application which reduces the run time for application from approximately 24 hours to 2 hours. * Designed and implemented a new plug-in in Java which imports data from source through JDBC instead of API calls, the new plug-in eliminates the repeated entries and delays caused by API calls. | |
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|  | business consultant/IT specialist, **IBM**June 2021 – September 2021  * Participated in developing web, mobile applications on cloud (Including AWS, Azure). * Supported to develop new libraries with Microservice architecture using Rest APIs, spring boot and pivotal cloud foundry. * Wrote scripts to manage AWS resources from API calls and worked with AWS CLI. | |

# Education

| BACHELOR OF COMPUTER SCIENCE, **University of New brunswick, 2017-2020**BACHELOR OF Finance, **University of New brunswick, 2011-2015** |
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# Personal Projects

## coding tool for non-developer, Blockly

* Created a visual coding tool built in JavaScript by using Google’s Blockly framework, the tool translates draggable and droppable blocks into Python code.
* Tested and documented all the steps for the tool and the tool is also extendable to generate JSON format definition and generator stubs to Python, JavaScript, PHP, Lua and Dart.

## Game Data website

* Built a game data integration website using Python on **Django** framework which collects meta data from game companies through API calls.
* Implemented MVC architecture.
* Designed user interactive web pages using HTML, JavaScript and implemented CSS for better appearance.
* Deployed the website in Docker container.
* Writing **Python** flask API for retrieving data.

## RPG game, Space odyssey

* Developed a role-playing game with fully-fledged working interactive UI using Unity Canvas
* Wrote code for the action of player and non-player character in programming language C#.