Jesse Li

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TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, HTML/CSS, Bootstrap
Developer Tools: Linux, Git, Postman, Jenkins, JUnit, Heroku, PCF, UrbanCode Deploy
Technologies/Frameworks: Spring Boot, Flask, Django, Thymeleaf

WORK EXPERIENCE

Royal Bank of Canada   Jan. 2022 – Apr. 2022
Cloud Software Developer   *Toronto, ON*

- Utilized **Spring Boot** and **JUnit** to implement account validation logic and develop thorough unit tests for Client Account Validation API, used to process **400+** client accounts daily
- Addressed regular production bugs and improvements in existing **Java** payment services, facilitating **CI/CD** pipelines with **Jenkins**
- Performed end-to-end data migrations of bulk transfer applications to platforms with enhanced monitoring and alerting using **Pivotal Cloud Foundry**, **Jenkins** and **HashiCorp Vault**

Royal Bank of Canada   May 2021 – Aug. 2021
Cloud Software Developer   *Toronto, ON*

- Designed and built a microservice allowing for the daily scheduled generation and delivery of **100+** client account activity reports using **Spring Boot** and **Thymeleaf**
- Leveraged **Apigee** to deploy a REST API proxy and expose the microservice to internal API consumers
- Utilized **Spring Boot** to add support for mapping numerous transaction types in Java microservice, used to process over $1 million in daily electronic transactions

Spirit of Math Schools   Sept. 2017 – Oct. 2019
Teaching Assistant   *Toronto, ON*

- Supervised and aided 15 – 20 students with course material through one-on-one teaching
- Enhanced student learning with positive reinforcement strategies and broad instructional approaches
- Collaborated with fellow teaching assistants to establish an encouraging learning environment

PROJECTS

Canada COVID-19 Information Site (Hack the North 2020) ⬀   Jan. 2021

- Designed and developed a web scraper information site to track live COVID-19 related statistics in Canada (for all provinces and territories)
- Created using the **Flask** web framework using a **Jinja** template
- Pulled data from various COVID-19 API's and parsed the incoming **JSON** data into a human-readable medium

Personal Hockey Website ⬀

- Developed a **Django** web application to showcase my youth hockey and also enable users to create topics/entries, which are then stored in a database
- Deployed website to **Heroku** with a **Postgres** database and a **Jinja** template
- Styled responsiveness and aesthetic design using **Bootstrap 4** for features such as interactive buttons and calls to a backend database

EDUCATION

University of Waterloo   Sep. 2020 – Apr. 2025
Bachelors of Computer Science, Co-op