JESSE LI

www.jesseli.me

✉ jesse.li1@uwaterloo.ca ⬛ jesseli ⭘ jesseli

TECHNICAL SKILLS

Languages: Java, Python, C++, C, SQL, Bash, HTML/CSS
Developer Tools: Elasticsearch/Kibana, Datadog, Postman, Jenkins, PCF, MapStruct
Technologies/Frameworks: Spring Boot, Kafka, Swagger, Flask, Django, Thymeleaf, Bootstrap

WORK EXPERIENCE

Cowbell Cyber   Sept. 2022 – Dec. 2022
Backend Software Engineer   *Toronto, ON*

- Built insurance flows for Cowbell's continuous underwriting platform using **Spring Boot**, **Kafka**, and **Elasticsearch**, for **1000+** daily users
- Developed Cowbell's **RESTful API** by introducing new functionality and enhancing API documentation, working closely with **5+** API partners
- Led design and implementation initiative for API error handling convention
- Debugged/resolved production bugs and discrepancies, and enhanced metrics using **Kibana** and **Datadog**

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

- Engineered client account validation API using **Spring Boot** to authenticate **400+** clients daily
- Refactored regular production bugs and addressed 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

PROJECTS/HACKATHONS

Cowbell Hackathon (2nd Place, 2.5k USD)

- Collaborated with fellow engineers to integrate transactional email functionality into Cowbell's platform
- Developed internal services in **Java** to communicate with **Send Grid**, **Elasticsearch**, and **Kafka**, and wired them into the platform for front-end use.
- Significantly reduced the engineering involvement required for email design/functionality

Canada COVID-19 Information Site (Hack the North 2020) ⬈

- Designed and developed a web scraper information site to track live COVID-19 related statistics in Canada
- 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

EDUCATION

University of Waterloo   Sept. 2020 – Apr. 2025
Bachelors of Computer Science, Co-op   *GPA - 3.6/4.0*