Selina Li

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🏛 EDUCATION

University of Waterloo   **Waterloo, ON, Canada**
Bachelor's Computer Engineering   *September 2019 - April 2024*

🔧 SKILLS

- **Languages**: Java, Kotlin, Ruby on Rails, C#, C, C++, Python, GraphQL, SQL, JavaScript/TypeScript
- **Technologies**: Spring Boot, Ktor, ASP.NET, Angular, React, Apache Kafka, Apache Beam, Kinesis, Elasticsearch, Redis, PostgreSQL, SQL Server, MySQL, Liquibase, GCP, AWS Lambda, DataDog

🖥 WORK EXPERIENCES

WealthSimple   **Toronto, ON, Canada**
Backend Software Developer Co-op   *January 2023 - April 2023*

- Maintained microservices to implement real-time accounting flows for over 2 million clients, ensuring accurate and up-to-date information about their financial holdings
- Collaborated with cross-functional teams that own downstream services, actively gathering feedback and facilitating productive discussions to optimize and improve its performance

Loblaw Digital   **Toronto, ON, Canada**
Backend Software Developer Co-op   *January 2022 - April 2022*

- Optimized an Elasticsearch-based e-commerce search microservice by implementing features like fuzzy search and auto-complete, resulting in faster and more accurate product search
- Developed data processing pipelines using Google Cloud Dataflow and Apache Beam to perform batch and stream processing on Elasticsearch data, integrating with Pub/Sub for further analysis

University of Waterloo   **Waterloo, ON, Canada**
Fullstack Software Developer Co-op   *May 2021 - August 2021*

- Built a dynamic and intuitive web page using AngularJS, ASP.NET, and SQL Server to archive and retrieve historical data with pagination, filtering, and sorting functionalities
- Refactored existing endpoints to ensure their reusability, extracting common functionalities to minimize redundancy, enhance maintainability, and optimize system performance

University of Waterloo   **Waterloo, ON, Canada**
Fullstack Software Developer Co-op   *September 2020 - December 2020*

- Designed and developed a reliable email service with monitoring and error handling capabilities to guarantee prompt and dependable delivery to the intended recipients
- Engineered optimized stored procedures to significantly enhance database performance by reducing query data volume, accelerating query execution time, and refining query execution

Dealer-FX   **Markham, ON, Canada**
Fullstack Software Developer Co-op   *January 2020 - April 2020*

- Delivered new features in the web application using ASP.NET and Angular, resulting in a 20% increase in user engagement and a 15% increase in overall site traffic
- Implemented AWS Lambda handlers to process AWS SQS messages, ensuring secure processing by checking authentication before directing requests to VPC-specific Lambdas

XYebank   **Chengdu, Sichuan, China**
Backend Software Developer intern   *June 2019 - August 2019*

- Designed and developed RESTful APIs using SpringBoot in Java, while incorporating Redis for efficient caching of query results, resulting in a 60% reduction in data access latency
- Conducted load testing of APIs using Apache JMeter, optimizing the application's scalability and handling of high traffic volumes, resulting in a 75% increase in response time