

BRIAN LE

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TECHNICAL SKILLS

Programming: Java · Python · JavaScript · TypeScript · HTML · CSS · Swift · C++ · C · C# · SQL · Matlab · Ruby
Frameworks: Node · React · Angular · Vue · Spring Boot · Express · Pytorch · Scikit-learn · TensorFlow · XGBoost · Unity
DB/Other: MySQL · MongoDB · Kafka · GraphQL · Snowflake · AWS · SageMaker

PROFESSIONAL EXPERIENCE

Royal Bank of Canada – Software Engineer

May 2023 - Present

Toronto, ON

- Developed and maintained custom Data Analytics & Reporting platform utilizing Snowflakes cloud-based platform to store, process and analyze secure data. Developed wrapper UI and services which cost effectively governs and manages resources within Snowflake to meet RBC standards [**JavaScript, React, Node, Python, Snowflake, S3**]
- Generated pipeline services to move/moderate over 150 tables of Wealth Management data from SQL Server to Snowflake implementing practices such as Data Normalization and Classification [**Python, Java, SQL, Kafka, GraphQL**]
- Implemented an Automated Change Request system to enhance infrastructure and optimize deployment pipelines, resulting in increased efficiency by 20% for both cloud and non-cloud environments. This streamlined repetitive tasks such as certificate renewal, quarterly releases, and creation and closure of CR's [**MongoDB, Express, React, Node**]

Binance - Backend Developer Intern

Nov 2022 – Feb 2023

Toronto, ON

- Development and implementation of Request For Information (RFI) services under compliance utilized by Binance Admins and Customers/Account Holders to reconcile for mandatory documentation [**Java, Spring Boot, MySQL**]

Apple – Machine Learning/Software Engineer Intern

May 2022 – Aug 2022

Cupertino, CA

- Design and developed components for an internal Machine Learning (ML) platform (MLOps team) to manage the lifecycle of Models through pipelines that can facilitate model training, validation, batch inferencing, and promotion [**Python, Scikit-learn, TensorFlow, XGBoost**]
- Created a POC pipeline as a wrapper around our internal ML Model tracking system to facilitate the ML Model lifecycle sending bulk workflow to be performed over cloud computing [**Python, Turi**]
- Developed features to internal model registry and feature store for expanded support of the ML lifecycle and pipelines for industry standard ML libraries and flavours

Royal Bank of Canada - Software Engineer Intern

Jan 2022 – Apr 2022

Toronto, ON

- Developed automated pipeline for application deployment and scripts for data analytics utilized as internal tooling to reduce labour cost by approximately \$50,000 annual [**Python**]
- Implementation on Mobile Deposits/Investment products, Automation Development in agile environment while overseeing deployment automation and improving on development process [**MongoDB, Express, React, Node**]

Advanced Micro Devices - Software Engineer Intern

May 2020 – Apr 2021

Markham, ON

- Developed and debugged tuning viewing features for device driver/utility software package using for next gen graphics cards and APUs displaying unit's key performance points such as clock speeds, fan curve, and power [**C, C++**]
- Design and implemented scripts and testing procedure for automated 24-hour testing and maintenance of driver builds for over 20 different system and graphical configurations [**JavaScript, Python**]

EDUCATION

Bachelor of Software Engineering (Co-op), B.Eng.

Graduating Class of 2023

McMaster University, Hamilton, ON