BRIAN LE

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TECHNICAL SKILLS

Programming: Java · Python · JavaScript · HTML · CSS · C++ · C · C# · SQL · Matlab
Frameworks: Node · React · Angular · Spring Boot · Express · Pytorch · Scikit-learn · TensorFlow · XGBoost · Unitr
Databases: MySQL · MongoDB
Testing: JUnit · Pytest · Mocha

PROFESSIONAL EXPERIENCE

Royal Bank of Canada – Software Engineer   **May 2023 - Present**
Toronto, ON

- Designed and developed an Internal web interface enabling seamless database switching for development teams across all stages of the development process (Development, Testing, Staging) reducing downtime by 70% for 13 different service **[MongoDB, Express, Angular, Node]**
- Implemented an AutoCR (Automated Change Request) system to enhance the infrastructure and optimize deployment pipelines, resulting in increased efficiency my 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 **[Python, MS SQL]**

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]**
- Contributed to crucial design decisions, including performance tuning, scalable data management, and system refactoring, resulting in a 14% reduction in service downtime

Apple - Software Engineer Intern   **May 2022 – Aug 2022**
Cupertino, CA

- Design and developed Machine Learning (ML) platform to manage the lifecycle of Models through pipelines that can facilitate model training, validation, batch inferencing, and promotion **[Python, Scikit-learn, TensorFlow, XGBoost]**
- 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.   **Expected Graduation Apr 2023**
McMaster University, Hamilton, ON

Udemy 2023 Web Development Bootcamp