Fars Bein

fars.bein@torontomu.ca | [linkedin/fars-bein](https://linkedin.com/in/fars-bein) | github.com/farsbein | portfolio | 647-606-6612 | Toronto, ON

SKILLS

Languages: Python, JavaScript, TypeScript, SQL
Frameworks: React, Flask, Node.js, GitHub Actions

EXPERIENCE

Software Engineer   Oct 2023 – present
TD Bank   *Toronto, ON*
- Designed and built a full-stack risk visualization and ETL pipeline using Python, JavaScript, and SQL for a $1B+ real estate portfolio, reducing report time by 60% and improving portfolio ratings, leading to increased investor interest.
- Built full-stack solutions with Flask (Python), AngularJS (JavaScript), and SQL, enabling dynamic analytics and efficient data processing
- Optimized backend database schema by implementing a tree-structured SQL design to enhance relationship querying and reduce load times, improving application efficiency

Software Engineer Intern   January 2023 – April 2023
TD Bank   *Toronto, ON*
- Developed efficient Datadog logging libraries in Python and JavaScript for monitoring
- Designed and implemented a POC dynamic configuration system in Node.js and JavaScript, streamlining application updates and improving efficiency.

Full Stack Developer Intern   May 2022 – August 2022
Prodigy Education   *Toronto, ON*
- Implemented POC of In-App Purchases using GraphQL, React Native, and Typescript
- Upgraded, resolved breaking changes, and migrated a React Native application used by **5M+ users**
- Automated prod build and deployment using GitHub actions, reducing deployment time by **25%**
- Integrated Datadog real-time monitoring system on a React Native app to identify and resolve issues
- Took the initiative on tasks such as fixing broken CICD pipeline, integrating Firebase Crashlytics, etc

Software Developer and Tester Intern   May 2021 – December 2021
The Government of Ontario (MCCSS)   *Toronto, ON*
- Performed data analysis using SQL to generate data fix reports
- Led accessibility testing and raised up to **10+** issues
- Refined the regression testing by **100+** test cases to improve the test coverage up to **90%+**

PROJECTS

Website Builder | JavaScript, React, MongoDB, Node, Express
- Created a REST API using Node.js and Express.js along with MongoDB to manage and store user data
- Hosted part of the code using AWS Lambda to create an open API for other developers to use

Smart Note app | Electron, React, TypeScript
- Built a note-taking app that utilizes embedding to create a smarter search engine for my notes

EDUCATION

Toronto Metropolitan University (Formerly, Ryerson) **GPA: 3.91/4.33**   September 2019 – October 2023
Bachelor of Science, Computer Science   *Toronto, ON*