

Louis Mollick

Front-end/Full-stack Web Developer

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Education

Bachelor of Software Engineering – GPA: 3.89 – Distinction (top 25% in the Faculty of Engineering)

2018 – 2022

McGill University, Montreal, QC

Languages: English (native), French (native), Japanese (beginner)

Work Experience

Technology Associate at Morgan Stanley (Equity Swaps STP) – Montreal, QC

August 2022 – Present

- Diagnosed and developed bug fixes for 20+ year old distributed microservices built with Java Spring, JUnit, Sybase SQL (Liquibase), IBM MQ, Jenkins, Hazelcast, Angular/RxJs and proprietary company technologies.
- Acquired financial business knowledge about the Equity Swaps derivative product and Straight-Through Processing (STP).
- Collaborated within an international Agile team as the only North American developer in a India-based team.
- Provided timely level 3 production support, coordinating directly with financial traders and suggesting tactical fixes.

Full Stack Software Developer Intern at Stocate – Remote

stocate.com **September 2021 – April 2022**

- Developed an interactive feedback dashboard, recruiting 76 new users and collected over 200 pieces of unique feedback.
- Designed UI mockups using Figma and conducted user Zoom interviews to understand user behaviors and requirements.
- Coded using technologies such as React/Typescript, Material UI, React Router, Context API, React Query, React Native (Expo), ASP.NET Core, Entity Framework (PostgreSQL), xUnit and E2E tests with Cypress.
- Worked in an Agile team, participating in 2-week sprints, and creating and managing Jira tickets.

Web Software Development Student at BlackBerry – Remote

May – August 2021

- Developed Python scripts, Node.js scripts utilizing the SharePoint API, and SPFx web parts (React/Typescript) to migrate the legacy “BlackBerry Square” portal to a new SharePoint version, visited by thousands of employees.
- Designed an integration with the Cornerstone LMS and the Salesforce CRM, getting the status of employee learning assignments.
- Led bi-weekly standup meetings, efficiently distributing speaking time and eliciting updates about ongoing projects.

Web Development Software Intern at Barco – Remote

July – November 2020

- Designed & implemented the QR Code login feature for the Barco "Overture" A/V monitoring and control software application.
- Developed using full stack technologies and tools such as AngularJS, React, Typescript, Node.js, MongoDB, Docker, and Jenkins.
- Wrote and performed End-to-end automation test scripts using Robot Framework and the Postman API/Newman.
- Worked in an Agile team, participating in Scrum meetings and creating and managing Jira tickets.

Engineering Projects

C#/ASP.NET Core/React Web Application

github.com/louismollick/lyricsu **August 2023**

- Created an app which quizzes users about the meaning of lyrics while they listen to Japanese music on Spotify.
- Implemented sign-in through Spotify using OAuth and Cookie authentication.
- Coded a REST API using C#/ASP.NET Core, which persists song and lyric data to a SQL Server database (Entity Framework).
- Designed a basic Typescript/React/Vite frontend to quiz lyric meaning and play music through the Spotify Web Playback SDK.

React Native Mobile Application (ECSE424)

github.com/louismollick/Bottle **September – December 2021**

- Conducted user research and UI usability tests to develop a mobile application to help fight social-media addiction.
- Coded using technologies such as Typescript/React Native, Expo, and NativeBase.

Full-stack React/Java Spring Web Application (ECSE428)

louismollick.github.io/Mixer **January – April 2021**

- As the technical lead in a team of 10 students, created a web application allowing users to be suggested Cocktails.
- Participated in Scrum meetings, grooming sessions, and planning sessions every 2-week sprint.
- Developed a full-stack web application using technologies such as Spring, Spring Data JPA (PostgreSQL), React (Material-UI), Travis CI and deployed to Heroku. Implemented an implicit flow OAuth 2.0 authorization protocol, using JWT tokens.
- Tested using the Behavior-driven Development Framework Cucumber, as well as unit testing with Jest and JUnit.