

Mark-Olivier Poulin

SOFTWARE ENGINEER · FULL STACK DEVELOPER

✉ markolivierpoulin@hotmail.com | 🏠 www.markolivierpoulin.com | 📱 Markol17 | 🌐 mark-olivier-poulin

Skills

Programming TypeScript, C#, Java, SQL, C++, Python

Technologies .Net, React, React Native, Flutter, Vue.js, Next.js, Angular, Expo, Docker, Redis, GraphQL, Spring Boot, PostgreSQL, AWS

Experience

Thirdbridge

Montreal, Quebec

FULL STACK DEVELOPER

September 2024 - Present

- Worked on **car wash and fuel pay-by-plate features** using **geofencing and user location** to enable **seamless transactions** in the **Circle K's mobile app**, used by **10+ millions of users**
- **Managed releases** and ensured timely delivery across multiple platforms, including **Google Play Console, AppCenter, and TestFlight**
- **Led and developed a system** to **standardize, enforce type safety, and generate documentation** of **product analytics**, empowering business analysts to make **better data-driven decisions**
- **Took ownership of integrating Google Pay** as a new payment method in **Circle K's mobile app**
- **Coordinated and synchronized** tasks with **teams across different countries**
- **Led the design and development of 2 promotional mini-games** for the **Corona brand** in the **Couche-Tard app**, completed within a **1 month deadline** and **played 400,000+ times**
- **Delivered technical talks** during company **learning hours** on **new technologies** and **application architecture patterns**
- **Improvement of system reliability** and addition of features to an **IoT smart pillbox** and its **mobile app**, for **clinical studies** involving more than **2,000 patients**
- **Integrated an image classification AI** into a real estate platform, **streamlining photo uploads** for property advertisements

Nexapp

Quebec City, Quebec

FULL STACK DEVELOPER

April 2023 - August 2024

- Incrementally **added features** to the **highly critical offer and ticket pricing modules**, handling **large amounts of money** within **Ticketmaster's TM1 events management platform** to support **business expansion into new markets**
- **Created new web components** and **Vue.js, Angular and React wrappers** for the **Unified Frontend Objects project**, and **integrated GraphQL data** into the **global TM1 app**
- **Implemented custom forms** in a construction project management **mobile app** with **editable plans, signature capture, photo annotations**, and **seamless online and offline synchronization**

Vooban

Quebec City, Quebec

FULL-STACK DEVELOPER INTERN

May 2022 - August 2022

- **Development of more than 20 features** on a new project, including an **AI model**
- **Complete redesign of the user interface** and addition of a **live video stream** to a **production application**

UEAT

Quebec City, Quebec

FULL-STACK DEVELOPER INTERN

May 2021 - August 2021

- **Refactored** UEAT's promotions engine for **enhanced scalability** by using the **strategy design pattern**

Extracurricular Activity

Teaching Assistant - Advanced Programming Concepts in C++


Ottawa, Ontario

LABS AND TUTORIALS INSTRUCTOR

September 2022 - December 2022

- **Led** labs and tutorials with **35+ students**

Side Project

PollHub |  [View here](#), Published a platform that allows users to **create polls, vote, and view detailed poll data and analytics**, with **custom graphs** rendered using **Apache ECharts**. **Built a custom accessible UI library** made with **React and Tailwind**.

Education

University of Ottawa

Ottawa

BASc IN SOFTWARE ENGINEERING (CO-OP)

Sep. 2018 - Dec. 2022

- Courses in: Algorithms and Data Structures, Software Requirements, Software Architecture, Intro to AI, Advanced Programming Concepts in C++
- **Full proficiency** in both **English** and **French**