

James Moreau

Skills

Languages

- C / C++
- JS / TypeScript
- Go
- Java / C#
- Python
- Dart

Development Tools

- Git
- Postman
- Terraform
- JUnit / CppUnit
- CGDB / GDB

Software

- Azure / Jira / Trello
- Unity Game Engine
- Visual Studio / VSCode
- Microsoft Azure
- Blender
- PostgreSQL

Practices

- Windows / macOS
- GUI Design
- Backend Architecture
- Integration Testing
- Parallelism

Libraries / Frameworks

- Flutter
- React
- Angular
- Selenium
- Node.js

Work Experience

Full Stack Software Developer (Co-op) - Purolator Digital Lab

January - August 2022

- Developed **Purolator Delivery Pro** last-mile parcel delivery mobile and web applications (App Store: apple.co/3ININtR)
- Delivery Pro makes package delivery easy and is used by dozens of Purolator's partners across Canada.
- Added feature requests such as localization, advanced parcel search filtering, agency management, and delivery reporting.
- Worked with product design team and business partners to implement new UI designs and features.
- Created tooling such as a barcode utility in **Python**, and an internal support group tooling web app in **Angular**.
- Integrated applications within existing Purolator infrastructure such as **ServiceNow**, **AWS**.

QA Developer (Co-op) - Purolator Digital Lab

May - September 2021

- Discovered, documented, and resolved with bug reproduction and resolution.
- Conducted cross-platform testing, developed API testing suites using **Postman** and integrated them into **Azure** pipelines.
- Developed **UI integration tests** using flutter libraries to verify use case requirements.

QA Developer (Co-op) - The Co-operators

September 2020 - January 2021

- Executed automated tests for **Guidewire PolicyCenter**.
- Developed and maintained **Selenium** and legacy **QTP** regression test suites for multiple products.
- Discovered critical defects in production environments and wrote documentation detailing testing software functionality.

Programming Projects

Location Alarm

apps.apple.com/ca/app/locaalert/id6478944468 - Mobile App

- A proximity based alarm mobile app for travel. Set alarms at desired locations to never miss a train stop or attraction.
- Built in **Flutter** using geolocation, mapping, notification, and storage libraries.

Keyed

jamesmoreau.github.io/keyed - Web App

- A simple cryptographically secure password generator web app using **Go** and **Web Assembly**.

Education

University of Guelph

September 2018 - January 2024

- Major in Computer Science CO-OP, Honours Bachelor of Computing with Distinction