Guelph, ON

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James Moreau

Skills

Languages	Development Tools	Software	Practices	Libraries / Frameworks
• C / C++	• Git	• Azure / Jira / Trello	• Windows / macOS	• Flutter
• JS / TypeScript	• Postman	• Unity Game Engine	• GUI Design	• React
• Go	• Terraform	• Visual Studio / VSCode	• Backend Architecture	• Angular
• Java / C#	• JUnit / CppUnit	• Microsoft Azure	• Integration Testing	• Selenium
• Python	• CGDB / GDB	• Blender	• Parallelism	• Node.js
• Dart		• PostgreSQL		

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/3lNINtR)
- 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 infrastrucuture 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.

Gem Player — github.com/JamesMoreau/gem-player - Desktop App

- A cross-platform, lightweight music player with playlist management, shuffle mode, and a dynamic queue system.
- Built with Rust using **egui** for the UI and **rodio** for audio playback, supporting multiple formats.

Education

University of Guelph — September 2018 - January 2024

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