

# James Moreau

## Skills

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Languages	Development Tools	Software	Practices	Libraries / Frameworks
<ul style="list-style-type: none"><li>• C / C++</li><li>• JS / TypeScript</li><li>• Go</li><li>• Java / C#</li><li>• Python</li><li>• Dart</li></ul>	<ul style="list-style-type: none"><li>• Git</li><li>• Postman</li><li>• Terraform</li><li>• JUnit / CppUnit</li><li>• CGDB / GDB</li></ul>	<ul style="list-style-type: none"><li>• Azure / Jira / Trello</li><li>• Unity Game Engine</li><li>• Visual Studio / VSCode</li><li>• Microsoft Azure</li><li>• Blender</li><li>• PostgreSQL</li></ul>	<ul style="list-style-type: none"><li>• Windows / macOS</li><li>• GUI Design</li><li>• Backend Architecture</li><li>• Integration Testing</li><li>• Parallelism</li></ul>	<ul style="list-style-type: none"><li>• Flutter</li><li>• React</li><li>• Angular</li><li>• Selenium</li><li>• Node.js</li></ul>

## Work Experience

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### 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](https://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

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### Location Alarm

[apps.apple.com/ca/app/locaalert/id6478944468](https://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](https://jamesmoreau.github.io/keyed) - Web App

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

## Education

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### University of Guelph

September 2018 - January 2024

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