

# Tyler Laporte

## Experience

### Personal Info



226-235-4946



tylerlaporte@gmail.com



tylerlaporte.com



linkedin.com/in/laportet



github.com/laportetyler

### Languages

Java 8+  
JavaScript (ES6)  
MySQL  
PostgreSQL  
Python  
HTML  
CSS/Sass

### Libraries & Frameworks

Spring  
React / Redux  
Angular  
jQuery  
AspectJ  
MyBatis  
JUnit  
Mockito

### Software & Tools

Git  
GitLab CI/CD  
Apache Solr  
Elasticsearch  
Zookeeper  
Ansible  
Tomcat  
Maven  
Docker  
Kubernetes  
Jenkins  
TeamCity  
Prometheus  
AlertManager  
Grafana  
Google Tag Manager  
Jira

### Operating Systems

Linux  
macOS  
Windows

#### Software Developer

May 2017 – Present

*Autodata Solutions, London, ON*

- Investigated and resolved production issues for client-facing applications. This included explaining complicated problems to business clients and offering support to help resolve issues with how the client consumed data provided by our services
- Led development team in a system wide refactor of a multi-module project to transition searching functionality from bitwise MySQL queries to Apache Solr. This resulted in a more readable, maintainable, and testable codebase that resolved multiple performance bottlenecks
- Implemented performance improvements in web services with a load of over a million requests per day by analyzing real production use cases and optimizing MySQL queries for the most common request patterns. This resulted in a near 50% (~2 seconds) average performance gain per request which allowed us to meet SLA performance requirements
- Provided continuous mentorship to junior developers through code reviews, pair programming, knowledge transfer sessions, and design discussions with a focus on weighing the benefits and drawbacks of each potential solution
- Created onboarding application with stubbed out tasks to help new hires gain experience with the common tech stack used within our business unit: Java, Spring, React, and MySQL
- Designed restructure of a Spring Batch ETL which resulted in a reduction of execution time from 1 hour to 10 minutes that drastically improved one of the main bottlenecks for getting newly authored incentives live on dealer websites
- Built various applications and implemented feature enhancements with care to ensure the solutions were performant, testable, and maintainable while meeting code quality standards

#### Software Development Intern

May 2015 – August 2016

*Autodata Solutions, London, ON*

- Built an execution time analytics tracking Java library with AspectJ and Aspect Oriented Programming methodology. Used on multiple projects to easily record the execution time of API endpoints in Google Analytics
- Implemented new coupon functionality in e-commerce web application
- Replaced an error-prone manual data entry process by creating a Spring Batch ETL that consumed financial data feed files and populated the data in MySQL

## Projects

#### Incentive and Offer Management

*Autodata Solutions*

- Monolithic project consisting of multiple web applications, web services, and ETLs that are used by GM to author incentives and offers that are served up to GM partners and dealers. Java/Spring, ExtJS, MySQL, Solr

#### Recipe Manager

*Side project: [github.com/recipe-manager](https://github.com/tylerlaporte/recipe-manager)*

- Application used to create recipes and automatically calculate nutritional information from the listed ingredients. Java/Spring, React/Redux, PostgreSQL, Elasticsearch

## Education

#### University of Western Ontario, London, ON

Sept 2012 – August 2017

Bachelor of Science, Honors Specialization in Computer Science

- Dean's Honors List, Western Scholarship of Excellence

