> Name: Joseph Harrison-Lim

> Email: [josepharrisonlim@gmail.com](mailto:josepharrisonlim@gmail.com)

> Site: <https://josephharrisonlim.com>

> GitHub: <https://github.com/jharrilim>

> Experience: ˅

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| **Lead Engineer** Scotiabank, Toronto, Canada Aug 2019 - Present |
| * Contributed to an internal Spring-based component library which addresses cross-cutting concerns and is in use by thousands of production API endpoints. * Increased React application performance by lowering the time complexity of various algorithms and increased perceived performance with lazy rendering. * Created responsive front-end application styling by leveraging CSS flex, grid, and media-queries. * Wrote an algorithm for code generation targeting JPA specifications. * Wrote a recursive table component to support circular/infinitely nested data structures with a minimal performance impact. * Used the React Profiler and Lighthouse for performance analysis, and kept the application running at top speed. * Created and tested "spring-starter" like functionality for value-added features on top of Spring Cloud Sleuth. * Migrated documentation generation for a Spring project to its own separate project to enable separate versioning and faster changes. * Wrote an impact analysis for describing the severity and effort needed to resolve breaking changes for consumer teams. |
| **Software Developer**  RBC, Toronto, Canada Jan 2019 - Sep 2019 |
| * Created a compliance reporting tool which pulled data from Elasticsearch and APIs from internal SCM tools and generated a report which was automatically emailed to business owners. This tool alleviated 4 hours of work every week. * Created a command line tool in Node.js which generates and manages Node.js microservice projects with Docker Compose and VS Code integrations. Published to InnerSource for the whole organization to benefit. |
| **Technical Systems Analyst Co-op** RBC, Toronto, Canada May 2018 - Aug 2018 |
| * Created a GitHub user management service which integrates with Jira webhooks for the automation of support tickets. This service is in production and has served over 500 tickets. * Worked on the front end of a web portal in Angular 6 to port over an older portal which no longer worked. * Created a user load simulation for Jira using .NET Core 2.1 for the DBA to record database performance. * Worked closely with AppSec to test the integration of NexusIQ from a Jenkins Pipeline and our internal onboarding portal. Tested Contrast Security scanning against the OWASP WebGoat application. |
| **Software Developer Analyst Co-op** RBC, Toronto, Canada Sep 2017 - Dec 2017 |
| * Performed black box e2e testing for the MaaS 360 application on iOS using Appium, Python, and an internal testing framework. |
| **Technical Quality Assurance Analyst Co-op** RBC, Toronto, Canada Jan 2017 - Apr 2017 |
| * Researched Open Source Service Virtualization tools. Chose Wiremock as the most optimal Service Virtualization tool and created a Java Spring Boot server which had the ability to boot multiple instances of Wiremock and provision them into server farms. This supported mutual SSL; nearly all the other choices did not. I used SonarQube for analyzing my code, and I tested my application with Junit and had approximately 90% test coverage. |