> Name: Joseph Harrison-Lim

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

> Experience: ⌄

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.

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