> Name: Joseph Harrison-Lim

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║    I specialize in front-end  ║
║    engineering and DevOps.    ║
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> Experience:

### Lead Engineer   Scotiabank, Toronto, Canada                              Aug 2019 - Present
> Developed features for 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-recursive data structures with 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 – Aug 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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