Ryan Newman

University of Waterloo (2015 - 2020)
Computer Science, Software Engineering Option, Combinatorics and Optimization Minor

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SUMMARY OF QUALIFICATIONS

- Proficient in a wide range of programming languages including C++, Dart, Go, Java, JavaScript, Python and SQL.
- Understanding of multiple web frameworks like Angular, Node.js, React, Redux and Spring.
- Experience with tools such as Azure, Docker, Git, Jenkins, MySQL, Pivotal Cloud Foundry and Redis.
- Excellent technical communication skills through active participation in team scrums and sprints.

EXPERIENCE

GOOGLE   Mountain View, California
Software Engineering Intern   Jan 2018 – April 2018

- Worked on the team responsible for the Google Express Customer Support application.
- Wrote APIs in Java and a UI in AngularDart to support a highly scalable and maintainable draft email feature.
- Extended current email infrastructure by implementing scheduling and attachment capabilities.
- Implemented measuring, monitoring and alerting for base client to server network latency.
- Extended current WebDriver test suite by adding image diff assertions for the UI.

LCBO | NEXT   Kitchener, Ontario
Full Stack Developer   Sept 2017 – Dec 2017

- Worked to rapidly develop 5 proof of concept applications including a vendor ordering system, grocer claims and product locator using Node.js, ReactJS, MongoDB and PostgreSQL.
- Architected a microservice that performed data transformation to batch process thousands of alcohol orders.
- Created a Chatbot using the Meya.ai platform and the Dialogflow NLP API to help clients pair food with alcohol.

MANULIFE FINANCIAL   Toronto, Ontario
Software Engineering Intern   Jan 2017 – April 2017

- Developed a Go web application that generated access reports by querying multiple APIs, converted the data into csv format and sent the report via email.
- Wrote a Bosh release that deployed a Vulnerability Management Agent onto hundreds of Virtual Machines.
- Wrote a Spring web application that allowed developers to check for connectivity from specific platform subnets to a designated host.
- Created Bash automation to assist developers with the onboarding of their applications.

THOUGHTWIRE   Toronto, Ontario
Junior Automation Developer   May 2016 – Aug 2016

- Developed a Java command line tool that analyzes HTTP requests/responses in the form of HTTP archive files, runs the data against a predefined set of rules and reports violations.

SIDE PROJECTS

STUDENT PATHWAYS CHALLENGE   HTML/CSS/JavaScript

- Allows students to compare their current progress to any possible pathway that leads to a specific job.
- Developed a RESTful web service to manage user authentication and dynamic pathway generation.
- **Placed second out of more than 50** teams across Ontario and won a $13,000 cash prize.

DOCUMENTED LEARNING   Java/Python/JavaScript

- A repository for detailing the results of my learning from self-directed studies and online classes
- Created multiple POC projects for systems and frameworks like MySQL and Socket.io.

AWARDS

STUDENT PATHWAYS: Placed 2nd out of more than 50 teams   Government of Ontario
THE TOP CONTRIBUTOR AWARD: Global Solutions Delivery   Manulife Financial