# Andrew Cumming

Barrie, Ontario

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**Portfolio**: https://andrewec.github.io/

**LinkedIn**: <https://www.linkedin.com/pub/andrew-cumming/85/612/402>

**Stack Overflow Careers**: <https://careers.stackoverflow.com/AndrewC>

**GitHub**: <https://github.com/AndrewEC>

## Objective

Obtain a flexible position that allows me to demonstrate my analytical, problem solving, and interpersonal skills, while providing opportunities for further self-improvement.

## Skills

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| --- | --- |
| * Accessibility Analysis and Remediation * Accessibility Training * Java and J2EE Development * Single Page Application Development * Android Development | * Black and White Box Testing Methodologies * Coding Design Patterns * Unified Modeling Language |

## Professional Experience

## Spring Boot Development

* Helped develop a Spring Boot restful service to enable more concise self serve loan management features
* Applications were developed in Spring Boot and deployed to the Bluemix cloud hosting environment
* Supports hundreds of daily transactions
* Built out and utilized custom CSRF solutions

## Spring MVC Development

* Created Spring MVC frontend application to support financial banking features such as ordering cash in a foreign currency
* Applications were created using Spring MVC and deployed to the Bluemix cloud hosting environment
* Applications built help support tens of millions of dollars in transactions annually
* Used detailed session to control flow of multi-page forms

### Android and J2EE Development

* Created a mock Android and J2EE application to visualize and outline the functional possibility of cardless ATM withdrawals
  + Front-end system designed and implemented to run on both Android phone and Wearable
  + Backend was designed using the J2EE platform with JAX-RS and temporarily deployed on the Openshift cloud hosting platform
  + Android application utilized standard and popular APIs to support asynchronous functionality when requesting and processing JSON responses from mock backend server
* Analyzed large scale applications for defects and proposed, implemented, and tested solutions for the defect
* Built, deployed, and tested application EARs on remote Liberty and WebSphere Portal Servers running in development environments

## Accessibility Analysis and Training

* Gave a lectures to hundreds of Government of Ontario employees demonstrating how to create accessible Word/PDF documents and how to use JAWS
* Went out to external locations to meet with clients and provide personalized training and advice for individuals and teams
* Analyzed government websites and documents against the Web Content Accessibility Guidelines to identify possible issues and accessibility deficiencies using Job Access With Speech (JAWS) software
* Documented issues, prepared reports, and presented findings to clients

## Java/Jersey Development

* Helped develop a Java/Jersey based restful service to support purchasing and renewing guaranteed investment certificates
* Utilized maven overlay to enable a single codebase to create two build artifacts
* Artifacts utilize SPNEGO/LDAP authentication and Basic authentication to support employee and client channels
* Utilized OWASP CSRFGuard solution for request validation

## Employment History

Royal Bank of Canada – Toronto, Ontario

**Developer** (Spring Boot/Angular) - 2019

Royal Bank of Canada – Toronto, Ontario

**Developer** (Spring MVC/Sprint Boot/J2EE) –2016

Royal Bank of Canada – Toronto, Ontario

**Technical Systems Analyst** –2015

Royal Bank of Canada – Toronto, Ontario

**IT Accessibility** – 2015

Ministry of Community and Social Services – Toronto, Ontario

**Technology Accessibility Analyst** – 2014

## Education

**Centennial College** – Toronto, Ontario

**Software Engineering Technology**, 2012 to 2016 (Expected) – Advanced Diploma