

Andrew Cumming

Barrie, Ontario

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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

- 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