Andrew Cumming

Barrie, Ontario
andrew.e.cumming@gmail.com

Portfolio: https://andrewec.github.io/
LinkedIn: https://www.linkedin.com/in/andrew-cumming/
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

- Accessibility Analysis and Remediation
- Accessibility Training
- Spring Boot Development
- Angular/Single Page Application Development
- Black and White Box Testing Methodologies
- Coding Design Patterns
- Unified Modeling Language
- Database/Schema Design

Professional Experience

Business Banking Portal Development

- Developed multiple Java/Spring Boot microservices to support a next generation online banking portal for small and mid size business clients

- Apps were developed in a 2 week sprint cycle without any dedicated quality assurance team

- All services were build with an automated test suite including unit tests, integration tests, and mutation tests using PIT

- Applications built deployed via Jenkins and Urban Code Deploy through an automated continuous integration pipeline and hosted on the Pivotal Cloud Foundry platform

- Debugged production level defects and issues using standard application logs and Dynatrace tracking

- Designed and implemented structured database schemas using MariaDB for features like user preferences and approval workflows with the help of Liquibase and Spring JPA

- Worked with a sizeable team (> 50 people) using a SCRUM like methodology centered around the concept of Journeys and Squads

- Generated service interfaces using automated tools like SpringFox and OpenAPI generator

Online Banking Service Development

- Developed multiple backend services using Spring Boot and Spring MVC to support various online banking features like self-serve loan management, GIC purchase and renewal, and online foreign currency ordering

- Created multi-channel applications that support customer and employee assisted channels utilizing LDAP/SPNEGO for automatic employee authentication

- Applications support thousands of online banking clients and help handle tens of millions of dollars in transactions annually

- Applications built and deployed via Jenkins and Urban Code Deploy through an automated continuous integration pipeline and hosted on the Bluemix platform

- Developed, largely, in a Waterfall style methodology with dedicated quality assurance team members

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

- Met with clients at external locations and provided 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 primarily using Job Access With Speech (JAWS) software

- Documented issues, prepared reports, and presented findings to clients

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