Andrew Cumming

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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

Skills

- Accessibility Analysis and Remediation
- Spring Boot Development
- Angular/Single Page Application Development

- Black and White Box Testing Methodologies
- Coding Design Patterns
- Unified Modeling Language
- Structured Database Schema Design

Professional Experience

Business Banking Portal Development (API Developer/RBC)

As part of this role my primary responsibilities were to continuously develop and maintain presentation/domain APIs, integrated and automated test suites, and, occasionally, assist in the development of frontend modern Angular based components to support a modern business banking portal supporting thousands of clients and millions of dollars in transactions annually.

- Developed multiple Java/Spring Boot/Maven stateless microservices using a scrum like methodology in 2 week sprint cycles

- Ensured product quality through the implementation of granular automated tests including unit tests, integration tests with WireMock, contract tests with PACT, and mutation tests using PIT

- Ensured application resiliency and banking portal scalability by taking advantage of latest Spring conventions including reactive and asynchronous paradigms and PCF auto-scaling configurations

- 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

- Expanded communication and presentation skills through the assistance of a dedicated Ezra coaching sessions

Online Banking Service Development (Developer/RBC)

As part of RBC's Digital Development team we are responsible for creating, managing, and otherwise maintaining many front end and service layer components running on Websphere Portal, Spring MVC, and Angular 2+ platforms that support thousands of clients and tens of millions of dollars in transactions annually.

- Developed multiple backend services using Spring Boot and Spring MVC with Maven 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

- Developed upon, and maintained, legacy Websphere applications running on a remote Windows VM

- Applications primarily 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 (Technology Accessibility Analyst/Ministry of Community and Social Services)

- 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 (either in person, virtually, or over the phone)

Employment History

Royal Bank of Canada – Toronto, Ontario
Developer (Spring Boot/Angular) – 2019 (Current)

Royal Bank of Canada – Toronto, Ontario
Developer (Spring MVC/Sprint Boot/J2EE) – 2017 – 2019

Royal Bank of Canada – Toronto, Ontario
Developer (Co-op) – 2016

Royal Bank of Canada – Toronto, Ontario
Technical Systems Analyst (Co-op) – 2015

Royal Bank of Canada – Toronto, Ontario
IT Accessibility (Co-op) – 2015

Ministry of Community and Social Services – Toronto, Ontario
Technology Accessibility Analyst (Co-op) – 2014

Education

Centennial College – Toronto, Ontario
Software Engineering Technology, 2012 to 2016 (Expected) – Advanced Diploma