

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
- 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 processing thousands of transactions worth tens of millions annually
- Developed apps following an agile, scrum like, methodology in 2 week 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
- 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

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 (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