

## ROLE PROFILE

<b>Title:</b>	<b>Quality Assurance Developer</b>
<b>Function:</b>	Quality Assurance
<b>Reports To:</b>	Director, Quality Assurance
<b>Location:</b>	Toronto
<b>Type:</b>	Full-time

## Role Overview

The Quality Assurance Developer is responsible for partnering with the software development team in a continuous delivery environment to ensure releases on our core platform and all client facing applications flawlessly meet business and technical requirements. The ideal candidate is a software developer at heart with a passion for quality, and a hunger to continuously learn. Working on the Quality Assurance team as part of the software development lifecycle, the Quality Assurance Developer will search for, investigate, reproduce, document, and track issues through resolution. Never satisfied with the status quo, the Quality Assurance Developer is driven to constantly improve test coverage in an automated pipeline for REST APIs, message based architectures and user interfaces. Having a curious mind and thinking outside the box is in your DNA while dissecting problems and considering multiple ways to solve them. You will be responsible to create, update and execute new and existing test plans and programmatically design new automated test assets, ensuring Exchange Solutions is consistently producing quality software. The ideal candidate will have a passion for QA, have a DevOps mindset and driven to automate integration, performance and security testing in to a continuous integration delivery pipeline.

## Primary Responsibilities

- Automate full regression tests and performance load tests in to a continuous delivery build pipeline.
- Work closely with software developers, IT operations, technical solutions architects and product managers to review product requirements and system design from a testing perspective.
- Establish and build test plans, test requirement matrices, test design/specifications and test cases as required.
- Think of yourself as a “hacker” – always looking for innovative ways to solve problems, approach situations from multiple angles, and test security in different ways.

- Test software builds, detect all deficiencies, document and track them in Jira through resolution.
- Share your expertise and collaborate with the Quality Assurance team members in the execution of all testing assignments.
- Operate as a self-starter and possess the technical aptitude in troubleshooting both software and environment issues.
- Be a catalyst for continuous improvement aiding in implementing new test strategies and process improvements.

## **Essential Capability Requirements – education, skills & experience**

- Post-secondary education with a degree in Computer Engineering/Science or equivalent knowledge/capability from other disciplines and/or equivalent professional experience.
- 2-3 years of experience in a QA automation role.
- 2-3 years of progressively responsible experience working in team based software development shop with a solid foundation in at least one or more of the following languages: Java, C, C++, Python, PHP, Ruby, or JavaScript.
- Experience with one or more automated test frameworks (i.e. Selenium, Robot, Cucumber, Katalon Studio, etc.)
- Expertise in performance and load testing of front and backend systems using JMeter.
- Comfortable in agile development environments and team structures using scrum.
- Experience using source code management systems, i.e., Git.
- Proficient in basic SQL operations such as joins and views.
- Well versed in REST and message base microservice architectures, and HTTP protocol
- Ability to play well with others, motivate other team members, and thrive in a fast paced and challenging work environment.
- Able to set goals, make and keep commitments to achieve scheduled deadlines.
- Excellent verbal and written communication skills are a must.

## **Desired Capability Requirements**

- Proficient in UNIX/Linux environments and python scripting.
- Experience with Atlassian suite of products, i.e., Jira, Confluence, Stash, and Bamboo is a great asset.
- Experience with or a demonstrable ability to quickly learn containers, orchestration frameworks and infrastructure automation tooling, i.e., Docker, Kubernetes, and Ansible is a great asset.



## How to apply

To apply for this role, please send an email to [careers@exchangesolutions.com](mailto:careers@exchangesolutions.com) listing the title above in the subject line. Please include:

- Cover letter
- Resume (in Word or PDF format please)

We thank all applicants for their interest, however, only those selected for an interview will be contacted.