TEST AUTOMATION ENGINEER

JOB DETAILS
Job Title: Test Automation Engineer
Reports to (title): IT Development Manager, Informatics & Technology (IT) Services
Date: September 2019

PURPOSE OF THE JOB
To ensure software developed by the Review Production Team within Cochrane's ITS is of known quality through the development of automated and manual tests throughout the software lifecycle.

PRINCIPAL ACCOUNTABILITIES/KEY RESULT AREAS
• Test all aspects of the software like function, component, system, performance, regression and service, including design and development of automated tests
• Setting up of test environments, designing test plans, and developing test cases/scenarios
• Contribute to user stories, specifications, and technical design
• Identify and record bugs and other issues (e.g. usability) and work with the team on their resolution
• Pro-actively work with other teams, departments, and partners to triage issues across systems and ensure they are resolved
• Work with users and stakeholders to identify and record technical issues forwarded by first line support and offer solutions and workarounds whenever possible
• Stay up-to-date with new testing tools and test strategies
• Contribute to team activities in a cross-functional way, including to documentation, training, and user engagement activities
• Pro-actively contribute to continuous team improvement

PERSON SPECIFICATION
Essential
• Analytical and efficient problem solver; works well in a team; highly responsible
• Bachelor’s degree in computer science or a related field or equivalent knowledge and experience in software development and software quality assurance
• Experience working to Agile development practices
• Strong knowledge of software QA methodologies, tools and processes
• Experience in writing clear, concise and comprehensive test plans and test cases

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Hands-on experience with both white box and black box testing
Hands-on experience with automated testing tools, continuous integration tools, and behaviour driven development (BDD) tools
Solid knowledge of database technologies and scripting
Ability to prioritize and execute tasks effectively within an Agile/Scrum software development team
Able to work effectively with a geographically-dispersed organization
Fluent in English

Preferred
Knowledge of Cochrane, evidence-based health care, systematic reviews, and/or the global health sector
Experience working in (second-line) technical support
Experience using version control systems (preferably Git)

**KEY INTERFACES**

**Internal:** ITS Review Production Team, other ITS and Central Executive staff as needed

**External:** Users and stakeholders of Cochrane’s systems and Cochrane’s technology partners

**DIMENSIONS**

**Budgetary responsibility:** N/A

**Number of direct and indirect reports:** N/A