



# Software Developer

## JOB DETAILS

Job Title:	Software Developer
Reports to (title):	IT Development Manager, Informatics & Technology (IT) Services
Date:	September 2019

## PURPOSE OF THE JOB

To serve as a Software Developer in the specification, design, development, and implementation of software and web applications for Cochrane's Informatics & Technology (IT) Services (ITS), with primary responsibility for Cochrane Systematic Review production software web services.

## PRINCIPAL ACCOUNTABILITIES/KEY RESULT AREAS

- Design, develop, test and maintain Cochrane systematic review production systems which effectively meet stakeholder and integration needs.
- Maintain and improve unit testing and automated testing systems; and train and support other software developers as required.
- Write clean and maintainable code and contribute to good-coding practice within ITS.
- Maintain technical documentation and contribute to user documentation as required.
- Provide expert knowledge to support and advise on the technical requirements of all software related to systematic review production. Advise on solutions to user stories and use cases.
- Help improve ITS's development processes through constructive criticism and a willingness to implement process changes.

## PERSON SPECIFICATION

### Essential:

- Degree in computer science or related field or equivalent knowledge and experience
- Experience in development and deployment of large-scale web and software applications
- Experience working to Agile development practices
- Experience with web application technologies (e.g. HTTP/REST APIs and Web Services), Java EE (JMS, EJB, JPA, JTA), XML, and JSON

- Experience in development of front-end web applications using technologies such as Angular JS, HTML5, and CSS3.
- Experience with unit testing, automated test tools, and continuous integration
- Experience with database technologies (SQL)
- Ability to contribute in a cross-functional way, including to documentation and quality assurance
- Fluent in English
- Enjoys team work
- Ability to prioritize and execute tasks effectively within an Agile/Scrum software development team
- Communicates around product and process issues in a constructive way with focus on solutions
- Able to work efficiently and effectively with a geographically-dispersed department and organization
- Willingness to travel as required

**Preferred:**

- Knowledge of Cochrane, evidence-based health care, systematic reviews, and/or the global health sector
- Experience using version control software, preferably Git
- Experience using dependency management tools, e.g. Maven or yarn
- Experience setting up servers and environments, including Linux, Docker, and automation/DevOps tools.
- Basic understanding of statistics and ability to implement statistical algorithms

**KEY INTERFACES**

**Internal:** ITS staff and other Central Executive staff, as required.

**External:** Cochrane's partners responsible for parts of the review production ecosystem. Others working in technology and evidence-based health care.

**DIMENSIONS**

**Budgetary responsibility:** N/A

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