



Systems Developer

JOB DETAILS

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| Job Title: | Systems Developer |
| Reports to (title): | Review Production Manager, Informatics and Knowledge Management Department |
| Date: | October 2016 |

PURPOSE OF THE JOB

To serve as a Systems Developer in the specification, design, development, and implementation of software and web applications for Cochrane's Informatics and Knowledge Management Department (IKMD), 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 databases and web services which effectively meet project specification and integration needs from other products.
- Build up 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 the IKMD.
- Maintain technical specification documentation in relation to software development projects; and contribute to user and web services documentation as required.
- Provide expert knowledge to support and advise on the technical requirements of all software related to systematic review production. Advise the Web Application Developer and Senior Systems Architect on solutions to user stories and use cases.
- Help improve IKMD'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 with web service technologies (REST APIs, AJAX, Web Services), Java EE (JMS, EJB, JPA, JTA), XML, and JSON

- Experience with unit testing and automated test tools
- Experience with database technologies (SQL)
- Ability to plan and execute action and finalize tasks efficiently including documentation and quality assurance
- Fluent in English
- Enjoys team work
- Ability to prioritize own tasks against project and team goals
- 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 working according to Agile development practices
- Experience using version control software, preferably Git
- Experience using dependency management tools, e.g. Maven, bower, or npm
- Basic understanding of statistics and ability to implement statistical algorithms

KEY INTERFACES

Internal: IKMD 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