



Position Description

Position Title: Software Developer	Classification Level: Bond Level 5
School/Office: Faculty of Health Sciences and Medicine / Institute for Evidence Based Healthcare	Date Position Classified/Updated September 2021

Purpose of the Position:

The primary purpose of this position is to oversee development of projects at the Institute for Evidence Based Healthcare (IEBH), primarily the Systematic Review Accelerator (SRA) <https://sr-accelerator.com/>.

The Software Developer will be required to work independently as required and as part of a dedicated team. They will take responsibility for developing research automation software, as well as research to demonstrate the accuracy and reliability of software. This role may also need to provide supervision of, and training to a junior software developer on the development of research automation software.

Reporting Relationship:

This position reports to Justin Clark, Automation Lead, IEBH. This position oversees the quality of work done by all junior software development staff.

Selection Criteria:

- Substantial experience designing user interfaces in a modern web framework, such as Vue.
- Degree in Computer Science from a recognized educational institution OR equivalent industry qualifications or experience in a commercial or educational workplace.
- Substantial experience responding to user input to improve the usability of production level software.
- Experience in Web 2.0 application development using HTML/JavaScript
- Experience with Python and Machine Learning libraries such as TensorFlow or PyTorch
- Knowledge of the software development life cycle, software project management, issue tracking, debugging, code profiling and optimisation

- Demonstrated high level interpersonal and communication skills including the ability to consult and negotiate with other stakeholders to ensure project objectives are met
- Demonstrated ability to exercise initiative and judgment as appropriate
- Demonstrated ability to work across different disciplines; work independently and consistently; ability to effectively manage time, prioritise tasks and meet deadlines

Desirable Criteria:

- Experience with Systematic Reviews, or knowledge of Systematic Review methodology
- Knowledge of current and emerging technologies in digital and web-based library and information services
- Graphic layout and design skills
- Progress towards, or interest in progressing towards a higher-level academic degree.
- Experience in supervision/training of junior staff

Competency:	Responsibility:	Performance Indicators:
Administration	<p>Actively contribute to regular team meetings regarding the role of this position and all junior software development positions.</p> <p>In the context of continuous improvement and from the systems perspective, review and evaluate processes within IEBH and make recommendations.</p>	<p>Contribution to regular team meetings.</p> <p>Continuous improvement</p>
Applications Development	<p>Development of applications to improve the efficiency of research teams within IEBH and external partners.</p> <p>Design, build and maintain backend systems, to support data-sharing between the various applications in the SRA.</p> <p>Maintain security of the SRA as well as any applications hosted on it.</p> <p>Drive the continuous improvement of software</p>	<p>Application Availability</p> <p>Functionality</p> <p>Resilience</p>

	applications within IEBH	
Communication	<p>Presentations to various stakeholder groups, including at National and International research conferences.</p> <p>Document systems, procedures and standards.</p> <p>Provide guidelines to users</p> <p>Liaise with internal clients providing advice and support.</p>	Effective and quality documentation, measured by peer and user review
Operational Support	<p>Provide technical support for developed software.</p> <p>Manage priorities and task scheduling with very minimal direction.</p> <p>Supervision and training of junior staff</p>	Customer satisfaction and feedback
Understanding of Quality Assurance	<p>Staff should demonstrate an understanding of the principles of quality assurance and continuous improvement as they apply at Bond University.</p> <p>Staff are expected to demonstrate an ongoing commitment to the Bond University Strategic Plan, university policy and to our quality assurance processes.</p>	
Understanding of Cultural Sensitivity	Staff will come into contact with staff and students from a variety of cultural backgrounds. It is expected that mutual respect, cultural awareness and cultural	

	<p>sensitivity will form the basis of the professional working relationship.</p> <p>Staff are encouraged to attend a cultural sensitivity workshop to further enhance and develop cultural awareness and cultural sensitivity skills.</p>	
<p>Understanding of WHS Responsibilities</p>	<p>Maintain a safe workplace and follow safety directions and internal controls. Alert your Manager of WHS risks and be vigilant in observing safe practices. Understand WHS requirements in your work area.</p> <p>All managers of staff are required to conduct risk assessments and implement controls accordingly as well as action safety audit results within the directed time frame.</p> <p>Awareness of, and accountability for, WHS responsibilities in the work area and for the staff and contractors under your control (if applicable).</p>	

Note – the successful applicant will be required to produce a certified copy of their highest qualification received prior to commencement of duty.

It is not the intent of this position description to limit the scope of this position in any way but to give an overview of this role at Bond University. You may at times be required to work at other tasks and areas as directed by the Management.