POSITION DESCRIPTION

Position Title: Web Developer / Senior Web Developer
Organisation Unit: Information Systems and Resource Services
The University of Queensland Library
Position Number: 3024038
Type of Employment: Continuing / Full Time
Classification: Hew Level 6/7

THE UNIVERSITY OF QUEENSLAND

The University of Queensland (UQ) contributes positively to society by engaging in the creation, preservation, transfer and application of knowledge. UQ helps shape the future by bringing together and developing leaders in their fields to inspire the next generation and to advance ideas that benefit the world. UQ strives for the personal and professional success of its students, staff and alumni. For more than a century, we have educated and worked with outstanding people to deliver knowledge leadership for a better world.

UQ ranks in the world’s top universities, as measured by several key independent ranking, including the Performance Ranking of Scientific Papers for World Universities (45), the US News Best Global Universities Rankings (52), QS World University Rankings (55), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (60). UQ again topped the nation in the prestigious Nature Index; and secured a greater share of Australian Research Council grants in 2016 ($24.5 million) than any other university nationally.

UQ has an outstanding reputation for the quality of its teachers, its educational programs and employment outcomes for its students. Our students remain at the heart of what we do. The UQ experience – the UQ Advantage – is distinguished by a research enriched curriculum, international collaborations, industry engagement and opportunities that nurture and develop future leaders. UQ has a strong focus on teaching excellence, winning more national teaching excellence awards than any other in the country and attracting the majority of Queensland’s highest academic achievers, as well as top interstate and overseas students.

UQ is one of Australia’s Group of Eight, a charter member of edX and a founding member of Universitas 21, an international consortium of leading research-intensive universities.

Our 50,000-plus strong student community includes more than 13,000 postgraduate scholars and more than 12,000 international students from 144 countries, adding to its proud 230,000-plus alumni. The University has about 7,000 academic and professional staff and a $1.7 billion annual operating budget. Its major campuses are at St Lucia, Gatton and Herston, in addition to teaching and research sites around Queensland and Brisbane city. The University has six Faculties and four University-level Institutes. The Institutes, funded by government and industry grants, philanthropy and commercialisation activities, have built scale and focus in research areas in neuroscience, biomolecular and biomedical sciences, sustainable minerals, bioengineering and nanotechnology, as well as social science research.
UQ has an outstanding track-record in commercialisation of our innovation with major technologies employed across the globe and integral to gross product sales of $11billion+ (see http://uniquest.com.au/our-track-record).

UQ has a rapidly growing record of attracting philanthropic support for its activities and will have further success in this area as an important strategic aim going forward.

**The University of Queensland Library**

The Library provides a range of services to its customers, maintaining traditional library services as well as implementing new technologies in service delivery and the provision of information skills programs to a variety of clients. The Library pro-actively supports the University’s learning, discovery and engagement strategies in a rapidly changing environment.

The Library is a major provider of information technology services within the University. The Library Technology Section manages over 1500 workstations and a large number of real and virtual servers providing support to a wide range of clients. Desktop platforms in use include Apple Macintosh and Microsoft Windows. Server platforms include Linux, Microsoft Windows, Solaris and VSphere.

The Library Technology Section manages a growing number of web applications and content servers as well as proxy and Standard Operating Environment management services for Library hosts. Development is primarily in React, Redux, Material UI, Laravel (PHP), ElasticSearch, and MySQL on Amazon Web Services.

**Information for Prospective Staff**

Information about life at UQ including staff benefits, relocation and UQ campuses is available at - [http://www.uq.edu.au/current-staff/working-at-uq](http://www.uq.edu.au/current-staff/working-at-uq)

**DUTY STATEMENT**

**Primary Purpose of Position**

Participate in the design, development, documentation, implementation, configuration and maintenance of significant Information Technology (IT) systems and projects.

**Duties**

Duties and responsibilities include, but are not limited to:

<table>
<thead>
<tr>
<th>HEW level 6</th>
<th>HEW level 7</th>
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<tbody>
<tr>
<td>• Undertake the development and documentation of significant IT projects. Assist in the design and management of IT projects.</td>
<td>• Undertake the design, development, documentation and management of significant IT projects.</td>
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<tr>
<td>• Monitor, evaluate and assist in the selection, development, configuration, and maintenance of new technologies and applications to meet the requirements of the UQ Library and its clients.</td>
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Diagnose, document and respond to problems and faults, escalating to more senior staff as appropriate.

Liaise with and provide advice and consultancy to Library staff, clients and other areas of the University on aspects of IT.

Diagnose, document and respond to very complex problems and faults.

Liaise with and provide high level advice and consultancy to Library staff, clients and other areas of the University on aspects of IT.

Mentor, assist and train other team members and lead improvements in the software development process and coordinate efforts with co-workers, perform code reviews and design reviews.

Liaise with providers of technologies and applications, including other areas of University and external vendors, about development and issues.

Participate in Library-wide projects and activities as required.

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Liaise with providers of technologies and applications, including other areas of University and external vendors, about development and issues.

Represent the Library and the University in approved areas.

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Ensuring client satisfaction through the provision of efficient work practices and fostering positive client relationships.

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### Other

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

- the University’s Code of Conduct
- requirements of the Queensland occupational health and safety (OH&S) legislation and related OH&S responsibilities and procedures developed by the University or Institute/School
- the adoption sustainable practices in all work activities and compliance with associated legislation and related University sustainability responsibilities and procedures
- requirements of the Education Services for Overseas Students Act 2000, the National Code 2007 and associated legislation, and related responsibilities and procedures developed by the University

### Organisational Relationships

The position reports to the Manager, Application Development.

At HEW level 7, the position may be required to direct other professional or technical staff on work relating to specific tasks or projects (including other HEW6s of this same position type).
## SELECTION CRITERIA

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<td><strong>Essential</strong></td>
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<tr>
<td>• A Bachelor degree in computing, information technology with substantial software development experience; or an equivalent combination of experience; OR</td>
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<td>• an equivalent combination of experience, education and training.</td>
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<td>• Skills in analysis, design, development of vendor, open source and in-house systems or applications.</td>
<td>• Solid skills and experience in analysis, design, development, documenting processes and supporting dynamic database-driven web sites, multi-user systems and applications.</td>
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<td>• Skills in configuration, support and maintenance of vendor, open source and in-house systems or applications.</td>
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<td>• Demonstrated effective problem solving skills with the ability to perform research or liaise with others to develop solutions for more difficult problems.</td>
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<td>• Ability to work to objectives with limited guidance either independently or as a member of a small team. Excellent attention to detail.</td>
<td>• Ability to work effectively within a team and autonomously and be self-motivated combined with a high level of initiative, drive and enthusiasm. Excellent attention to detail. Strong work ethics and willingness to go the extra mile to accomplish tasks in a fast-paced environment.</td>
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<tr>
<td>• Experience with PHP in an Object-Oriented MVC style framework (e.g. Zend, Symfony, Laravel) building web applications.</td>
<td>• Strong commercial experience with PHP in an Object-Oriented MVC style framework (e.g. Zend, Symfony, Laravel) building complex and involved web applications.</td>
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<td>• Demonstrated skills in JavaScript rich web development (eg in React/AngularJS/PolymerJS or similar) on top of APIs.</td>
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<td>• Experience with unit testing, e2e testing, continuous integration and continuous deployment.</td>
<td>• Commercial experience with unit testing, e2e testing, continuous integration and continuous deployment.</td>
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<tr>
<td>• Knowledge of AWS, cloud-based environments, container technologies (Docker), and Serverless technologies</td>
<td>• Functional knowledge and experience with AWS, cloud-based environments container technologies (Docker), and Serverless technologies</td>
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</table>
- Willingness to learn new technologies and languages, research and share new development practices, patterns and standards with the team.

- Excellent communication, liaison, negotiation, and relationship-building skills and the ability to deal effectively with clients and vendors.

- Experience with some of the following technologies is a requirement:
  - PHP and PHP frameworks (eg. Laravel or similar),
  - HTML5, JavaScript/Typescript, CSS/SASS,
  - React (or similar e.g. AngularJS),
  - AWS (or similar),
  - Linux/Apache/Nginx – basic skills as a user and an administrator,
  - Git (or similar version control system)

**Desirable**

- Familiarity with any of the following technologies is desirable:
  - MySQL,
  - Solr/ElasticSearch,
  - Docker, Serverless
  - CSS frameworks (e.g. Bootstrap),
  - NodeJS/NPM/WebPack/Composer
  - MemCache/phpunit/phpcs
  - SAML/LDAP/OAuth2/Open ID

- Experience with open source project work on Github/Bitbucket etc.

- Serverless technologies (AWS Lambda).
- Willingness to learn new technologies and languages, research and share new development practices, patterns and standards with the team.

- Ability to mentor, assist and train other team-members and lead improvements in the software development process and coordinate efforts with co-workers, perform code reviews and design reviews.

- Excellent interpersonal and communication skills with the ability to negotiate, effectively build relationships with a diverse group of senior stakeholders, colleagues and staff.

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  - PHP and PHP frameworks (eg. Laravel or similar),
  - HTML5, JavaScript/Typescript, CSS/SASS,
  - React (or similar e.g. AngularJS),
  - AWS (or similar),
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- Experience with open source project work on Github/Bitbucket etc.

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The University of Queensland values diversity and inclusion and actively encourages applications from those who bring diversity to the University. Please refer to the University’s Diversity and Inclusion webpage (http://www.uq.edu.au/equity) for further information and points of contact if you require additional support.

Accessibility requirements and/or adjustments can be directed to the contact person listed in the job advertisement.