POSITION DESCRIPTION

Position Title: Senior Applications Developer
Organisation Unit: Office of the Deputy Vice-Chancellor (Research)
Position Number: New position
Type of Employment: Fixed Term
Classification: Hew Level 8

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 CWTS Leiden Ranking (32), the Performance Ranking of Scientific Papers for World Universities (43), the US News Best Global Universities Rankings (42), QS World University Rankings (48), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (69). Excluding the award component, UQ is now ranked 45th in the world in the ARWU, and is one of the only two Australian universities to be included in the global top 50.

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 52,000-plus strong student community includes more than 16,400 postgraduate scholars and more than 15,400 international students from 135 countries, adding to its proud 250,000-plus alumni. The University has more than 6,600 academic and professional staff (full-time equivalent) and a $1.75 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 this will be a strategic focus going forward.

Organisational Environment

The Office of the Deputy Vice-Chancellor (Research)

The Deputy Vice-Chancellor (Research) is a member of the University's Senior Executive and has responsibility for enhancing the University's performance and reputation in research, research training, and research collaboration with external stakeholders, nationally and internationally. This includes the strategic management of research at an institutional level; development of research policy; management of research strategic initiatives, and development of research collaborations in Australia and overseas. The Deputy Vice-Chancellor (Research) also interacts closely with Executive Deans and Institute Directors who have operational responsibility for research development within the University's Faculties and Institutes respectively, and chairs the University Research Committee, a committee of the Academic Board that promotes and supports research and research training within the University.

The Deputy Vice-Chancellor (Research) is supported by the staff in the UQ Research and Innovation portfolio. Units within the portfolio have responsibility to support the University's research community through strategic engagement with external stakeholders, funding organisations and research partners; international collaborations; grants management; research performance data management; research higher degree management; and research ethics and integrity.

Further information is available at: http://www.uq.edu.au/research

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

DUTY STATEMENT

Primary Purpose of Position

The primary purpose of the position is the technical development of the Research Data Manager (RDM) system for HDR thesis upload and management.

Working under the supervision of the RDM Technical Lead, the Senior Applications Developer will need to enhance the RDM service in close cooperation with internal and external stakeholders and in alignment with the goals of the HDR Enhancement Project that is part of the Research Management Business Transformation (RMBT) Program.
Duties

Duties and responsibilities include, but are not limited to:

- Provide primary software development services and technical management in relation to the RDM application, specifically related to HDR thesis upload and management.
- Provide advice and recommendations to clients on the documentation of business processes, architectures, designs and project plans for the provision of software applications and websites.
- Where appropriate act as the UQ representative between non-technical business owners and suppliers of IT Services both internal and external.
- Engage with diverse business and technical groups across the University to take a leading role in the development of solutions.
- Ensure timely resolution of customer issues by referring issues to product or service specialists.
- Initiate, investigate and implement where appropriate new and emerging web technologies and identify opportunities and recommendations to enhance University developed applications and websites.

Other

- Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including but not exclusive to:
  - 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 of 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 RDM Technical Lead

The position will involve close collaboration with key stakeholders involved in the operation of the UQRDM service across the University.
SELECTION CRITERIA

**Essential**
- Postgraduate qualifications or progress towards postgraduate qualifications in a relevant field and extensive relevant experience, or equivalent combination of relevant education, training and experience.
- Demonstrated knowledge of modern software development, software architecture and database design.
- Demonstrated experience developing full stack applications in large scale organisations.
- Demonstrated ability to work both independently and as a productive team member, as well as work in teams across organisational units, within an environment where there are time constraints and the pressure of project deliverables.
- Strong interpersonal skills, including the ability to communicate and work effectively with a diverse range of clients and stakeholders including researchers and research managers and ensure an engaged, productive team, client culture and project outcomes.
- Excellent written and verbal communication skills, including demonstrated ability to contribute effectively in / and facilitate meetings, write clear and precise user stories, packaged releases, and technical documentation.
- Demonstrated knowledge of system integration with third party applications and services.
- Ability to develop and document business requirement specifications including documenting process flows.

**Desirable**
- Experience with TypeScript, Node and React
- Experience working with AWS (RDS, CloudFormation, Serverless)

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 for further information and points of contact if you require additional support.

This role is a full-time position; however flexible working arrangements may be negotiated.

Accessibility requirements and/or adjustments can be directed to recruitment@uq.edu.au.