POSITION DESCRIPTION

Position Title: Technical Cloud Project Manager

Organisation Unit: ARDC (RDS) - PVCRI

Position Number: New

Type of Employment: Fixed term – 12 Months

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 Australian Research Data Commons (ARDC) is funded by the Australian Commonwealth Government. The funding has been provided through the National Collaborative Research Infrastructure Strategy (NCRIS) as part of the 2016 National Research Infrastructure Roadmap.

The University of Queensland has been contracted by the Commonwealth Government to support the ARDC, along with the University of Melbourne, and Monash University. The ARDC replaces three projects – ANDS through Monash University, NeCTAR through the University of Melbourne, and RDS through the University of Queensland.

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 Technical Cloud Project Manager has overall accountability for defining the underpinning network, storage, and compute services supporting the Biocommons Pathfinder and is responsible for ensuring that the Pathfinder services portfolio is delivered in accordance with research and project partner expectations and requirements. The position is expected to work with the BioCommons Associate Director of Cyberinfrastructure to translate the research needs into specific technical requirements and ensure timely and effective roadmaps are developed and implemented to meet the Pathfinder platform goals. The position is required to influence, build and maintain relationships across the project partners, national and international collaborators, and commercial infrastructure vendors in order to deliver the most effective and appropriate solution to Biocommons researchers.

This position's location is flexible, with a preference for Melbourne or Brisbane.

Duties

- Working with the Biocommons Associate Director of Cyberinfrastructure in developing a technology architectural roadmap for the Biocommons Pathfinder, based on the analysis of both the research community requirements and provider capabilities engaged in the Pathfinder
- Participating in architectural discussions with collaborators to ensure solutions are designed for successful deployment in the cloud
- Working with infrastructure partners to develop appropriate solutions to meet the architectural, functional, policy and organisational requirements of project partners
- Managing the design and deployment of the infrastructure for the Pathfinder within agreed timeframes and budget
- Ensuring that designed solutions conform to architectural requirements such as sustainability, scalability, maintainability, reliability, extensibility, usability and security
- Implementing accessibility and allocation policies related to the bioscience fields of research
- Preparing project plans and requirements analyses for project executives
- Tracking and reporting on progress to plan to project executives
- Providing strategic leadership in defining and implementing cloud solutions
- Additional duties as required

<u>Other</u>

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 ARDC Director, eResearch Infrastructure & Services (Director, RDS) PVCRI.

About you

- Demonstrated in-depth negotiation and problem solving skills and ability to influence senior stakeholders by assimilating and disseminating information effectively.
- Strong communication and interpersonal skills with the ability to work flexibly across a range of organisations.

SELECTION CRITERIA

Essential

- Postgraduate qualifications or progress towards postgraduate qualifications and extensive relevant experience; or
- Extensive experience and management expertise; or
- An equivalent combination of relevant experience and/or education/training.
- Experience leading complex technical projects including cloud application deployment, infrastructure evaluation and design, and integrations
- Experience delivering hybrid solutions that span commercial clouds and on-premise data centres to virtualise infrastructure and move workloads between environments
- Demonstrated experience with business requirements analysis and understanding of key technology cloud providers (Amazon Web Services, Microsoft Azure, Google Cloud Platform, or other IaaS cloud service providers), and experience in managing the delivery of infrastructure required for commercial cloud use
- Experience with business requirements analysis
- Project management delivery experience with demonstrated experience using a project management methodology (eg. PRINCE2, PMBoK, or Agile).
- Experience in the development of contracts that enable commercial cloud services to be effectively procured and managed
- In-depth understanding of networking and various integration technologies, as well as key technology stacks such as VMWare, Docker, Openstack, Kubernetes, AWS, Azure and Google Cloud
- Understanding of data structures and standards, controlled vocabularies, and secure multi tenant application requirements

Desirable

- An understanding of the complexities of implementing cloud platforms in a research context
- Familiarity with the Bioscience research processes, and experience of delivering services that meet research needs across private, hybrid and commercial clouds
- Experience building distributed architectures, and delivering solutions in a complex, globally distributed infrastructure
- Knowledge of the legal issues pertaining to the use of hybrid cloud-based services
- Experience in the development of service level agreements with commercial cloud providers detailing the parameters of the services to be provided.

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.

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

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