POSITION DESCRIPTION

Position Title: Senior Web Applications Developer (eLIPSE)

Organisation Unit: Centre for eLearning Innovations and Partnerships in Science and Engineering, School of Mechanical & Mining Engineering

Position Number: NEW

Type of Employment: Full-time, fixed term for 1 year.

Classification: HEW 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 (43), the US News Best Global Universities Rankings (52), QS World University Rankings (47), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (65). UQ again topped the nation in the prestigious Nature Index and our Life Sciences subject field ranking in the Academic Ranking of World Universities was the highest in Australia at 20.

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 240,000-plus alumni. The University has about 7,000 academic and professional staff and a $1.8 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 $11 billion+ (see http://uniqest.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

Building on a history of cooperation between the Faculty of Engineering, Architecture and Information Technology (EAIT) and the Faculty of Science, academic staff who have an interest in reimagining STEM learning and enabling innovation collaborations have formed the Centre for eLearning Innovations and Partnerships in Science and Engineering (eLIPSE).

The Centre acts as an incubator for innovative new technologies. The eLIPSE online applications development team operates at the cutting edge of eLearning software tools. Agile methodologies and a pragmatic approach are used to rapidly create and foster proof-of-concept like applications. In conjunction with the University’s Information Technology Services (ITS), successful tools are further refined with the aim of delivery and deployment across the University.

The development team is based in the School of Mechanical and Mining Engineering, and works collaboratively with academic project leaders primality in the Faculty of EAIT and the Faculty of Science but also undertakes projects for academics across the University.

Information about eLIPSE may be accessed on the Centre’s web site at http://www.elipse.uq.edu.au/.

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 function of the position is to provide a high level of software development and support for eLIPSE. This position provides technical leadership with expertise in the areas of software analysis and development, and team mentoring. The position will frequently be a major link between eLIPSE and academic clients across the University.

Duties

Duties and responsibilities include, but are not limited to:

Technical

- Provide technical leadership and project management across multiple application development projects.
• Lead software development and documentation of projects throughout the Software Development Life Cycle.
• Advise on the use of DevOps to streamline and harden product deployment processes.
• Implement and refine the development team’s agile processes and procedures.
• Develop the team’s technical skill set through a program of mentoring.
• Communicate with academic project stakeholders and technical groups at levels appropriate to their technical understanding.
• Ensure client satisfaction through the provision of efficient work practices and fostering positive client relationships.
• Continuously review and identify new technologies that the development team can use to better support project outcomes.

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 eLIPSE Centre Director, works closely with the eLIPSE Software Development Manager and may be required to direct other professional or technical staff on work relating to specific tasks or projects.

SELECTION CRITERIA

• A bachelor’s degree with a significant computing component (or equivalent) plus extensive relevant experience; OR an equivalent combination of experience, education and training.
• Experience in guiding and documenting software projects during the complete development lifecycle.
• Experience developing complete non-trivial web-based applications.
• Experience with a range of current technologies based around a JavaScript stack, such as TypeScript, Node.js, Docker, and cloud hosting services.
• Experience in leading small agile teams in the creation of innovative solutions.
• Experience in mentoring junior developers to improve team outcomes.
• A continuous learning and self-improvement approach, evidenced by current technical skills that are up-to-date with industry trends.
• Excellent organisational and time management skills, with the ability to prioritise tasks.
• Demonstrable experience in dealing effectively with clients and colleagues to achieve positive outcomes.

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 to HR – HR@EAIT.uq.edu.au