POSITION DESCRIPTION

Position Title: Web Applications Developer (eLIPSE)

Organisation Unit: eLearning Innovations and Partnerships in Science and Engineering unit, Faculty of Engineering, Architecture and Information Technology

Position Number: NEW

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

Classification: HEW Level 6

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 (40), the US News Best Global Universities Rankings (42), QS World University Rankings (47), Academic Ranking of World Universities (54), and the Times Higher Education World University Rankings (66). 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 53,000-plus strong student community includes more than 16,400 postgraduate scholars and more than 17,000 international students from 135 countries, adding to its proud 260,000-plus alumni. The University has more than 6,600 academic and professional staff (full-time equivalent) and a $2.15 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+.

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 Faculty of Engineering, Architecture and Information Technology (EAIT) has long, proud traditions of innovation and leadership across student education and research.
In just over a century, more than 27,000 Faculty graduates have gone on to use their UQ education to have significant impact on our state, our nation and across the world. We believe that lifelong success is fostered at UQ through great education – inspiring students to think differently, ask the difficult questions, be a positive disruptive influence, and fulfil every ounce of their potential.

The Faculty's eLearning Innovations and Partnerships in Science and Engineering (eLIPSE) unit acts as an incubator for technologies supporting learning, and, through cooperation with the University's Information Technology Services (ITS), develops prototypes for eLearning tools suitable for deployment across the University.

The eLearning Innovations and Partnerships in Science and Engineering (eLIPSE) unit provides software development services and technical support/maintenance services for bespoke eLearning technologies that originate from the needs of the students and the inventiveness of academics in the Faculties of Engineering, Architecture and Information Technology (EAIT) and Science.

eLIPSE 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 and pilot new concept 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 Faculty of EAIT, and works collaboratively with academic project leaders primarily in the Faculty of EAIT and the Faculty of Science.

For more information about the Faculty of EAIT, please visit www.eait.uq.edu.au. For more information about eLIPSE, please visit www.elipse.uq.edu.au.

Information for Prospective Staff

The Faculty recognises and values equity and diversity, and encourages applications from any individual who meets the requirements of this position irrespective of gender, sexuality, race, ethnicity, religion, disability, age or other protected attributes. The Faculty strives to provide an inclusive working environment, and along with the University is committed to supporting staff with family and caring responsibilities by providing policies, programs and initiatives to help balance work and family responsibilities.

Further 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 develop, in an agile environment, online learning applications that enhance the student learning experience. The position is expected to take responsibility for projects, guiding the design, development, integration, and evaluation through to successful completion.

Duties

Duties and responsibilities include, but are not limited to:

Technical

- Create, in a team environment, innovative online learning applications by employing a pragmatic approach to rapid development.

- Lead and coordinate small project teams, using eLIPSE's agile methodologies, during the development life cycle.

- Work with the wider eLIPSE group (e.g. educational designers, academic project leaders, ITS staff) during the requirements gathering, design, and analysis phases of projects.

- Deploy DevOps in the creation, maintenance and support of deployed applications.

- Create and maintain project documentation.

- Communicate with project stakeholders throughout the development process, including providing progress reports, sprint planning input, and responding to stakeholder enquiries.

- Advise on eLIPSE's procedures and processes.

- Adopt and promote sound cyber security practices in compliance with UQ's Cyber Security Policy and according to cyber security procedures and standards developed by the University.

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 Business and Software Development Manager.

The Web Applications Developer works within the eLIPSE Development Team and collaborates closely with various stakeholders in the University.

SELECTION CRITERIA

- A bachelors degree with a significant computing component (or equivalent) with subsequent software development experience; OR an equivalent combination of experience, education and training.

- Experience in working with small agile teams to develop innovative new solutions, rapidly, with pragmatism.

- Full stack web development experience in building complete non-trivial applications; using a range of current JavaScript technologies and frameworks such as TypeScript, Node.js, MVC, and Vue.js, React.js or Angular.js, and a range of database technologies such as Mongo, MySQL or Postgres.

- High level communication skills and experience in dealing and communicating with diverse range of people.

- Excellent organisational and time management skills, with the ability to prioritise tasks.

- Demonstrated commitment to continuous learning and self-improvement, as evidenced by current technical skills and a knowledge of industry trends.

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@eait.uq.edu.au*