

POSITION DESCRIPTION

Position Title:	DevOps Engineer
Organisation Unit:	Information Technology Services
Position Number:	To be confirmed
Type of Employment:	Full-time, continuing
Classification:	HEW Level 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 (45), QS World University Rankings (48), Academic Ranking of World Universities (55), and the Times Higher Education World University Rankings (69). UQ again topped the nation in the prestigious Nature Index, and our Academic Ranking of World Universities result in the field of Life and Agricultural Sciences is 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 \$11billion+ (see <http://uniquet.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

In 1958, a committee was established under Sydney A. Prentice to study the possibility of installing an automatic digital computer within the University. Computers have played an integral role in the University's success ever since. Today, Information Technology Services (ITS) provides a wide range of IT services to 60,000 users and supports the administrative, teaching, learning and research needs of the University, and contributes positively to the student experience and the University's reputation.

ITS manages core networks and IT infrastructure for the whole university, delivering network, systems and IT infrastructure support to the University, and application development. Internet access to the National Research and Education Network (NREN), which connects most universities and CSIRO in Queensland is managed by ITS on behalf of the Queensland Regional Network Organisation (QRNO), and many of UQ's largest servers are also operated by ITS.

Within ITS is the internationally recognised network security group, AusCERT, which provides Internet security services throughout Australia and New Zealand. Its clients include universities in Australia and New Zealand, many banks, ISPs and government departments at federal, state and local levels. ITS also works with other Queensland universities to manage access to the national university network (AARNet)

In addition to providing direct services, ITS has a large number of service level agreements covering desktop system support, server administration, network support and audio-visual services delivery for all centrally-controlled lecture theatres. ITS also administers the University's extensive telephone network, which includes over 11,500 fixed lines and cordless, wireless and fax connections.

For further information [please visit our website](#).

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>

The University of Queensland [Enterprise Agreement](#) outlines the position classification standards for Levels A to E.

DUTY STATEMENT

Primary Purpose of Position

The primary function of this position is to automate and streamline our operations and processes, thereby enabling continuous integration / delivery work culture. In this role, you will be working as part of the ITS Enterprise Applications portfolio, servicing a range of applications in Student, Finance, HR & CRM domains.

Duties

Duties and responsibilities include, but are not limited to:

- Champion, inspire and create a DevOps and Continuous Delivery culture within the application team, collaborating closely with other ITS teams.
- Work closely with software delivery teams to identify opportunities for improvement / automation in processes, software development, release & test framework
- Automate the process of provisioning & deployment of enterprise application environments infusing containerization concepts, like Docker
- Collaborate with stakeholders and manage expectations to ensure the release process is streamlined and effective
- Identify reoccurring issues and work with IT & Business partners to remediate using the problem management process.
- Influence other teams and broader ITS groups in adopting DevOps best practices.
- Participate to the Agile DevOps design, development, testing, and release of new capabilities and features with focus on release and post-production support.
- Provide feedback for software releases as they move through the delivery cycle into Production
- Provide support and motivate others towards the achievement of individual team and company objectives, and provide support to production support teams as and when required.
- Adhere to processes and procedures for supporting the environments, ensuring they are maintained and meet security requirements
- 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
- Any other duties as reasonably directed by your supervisor

Organisational Relationships

The position reports to the Manager, Enterprise System Operations (ESO)

SELECTION CRITERIA

- Qualifications and training equivalent to an undergraduate degree in Information technology or related field; or an equivalent combination of relevant experience and/or education/training.
- A drive and passion for a continuous improvement regime with a significant focus on automation
- Highly developed written and verbal communication skills and a proven ability to communicate with technical and non-technical staff across multiple disciplines and management levels, building positive relationships that encourage mutual respect, cooperation, and collaboration
- Sound judgement and an ability to exercise initiative and work autonomously to meet shared objectives
- Experience of DevOps, Continuous Delivery and Agile methodologies, as well as software development processes and understanding of release and deployment processes
- Strong background in Linux / Unix Administration and experience in orchestration frameworks (Puppet, Ansible, Chef), source/version control tools (git, SVN), scripting (Ruby, Python, Java & Shell), test automation tools and frameworks (Selenium Webdriver), containerisation technologies (LXC, Docker, CoreOS), and CI tools (Jenkins, bamboo, Octopus Deploy)
- Good knowledge and hands-on experience in designing enterprise system architecture, infrastructure as code
- Experience in the use of PeopleSoft Financials or other finance systems, PeopleSoft Campus Solutions or other student systems or HRIS Solutions

The University of Queensland values diversity and social inclusion.

Employment opportunities are not limited by race, ethnicity, religion, disability, age, sexuality, gender or other protected attributes. Applications are encouraged from Aboriginal and Torres Strait Islander peoples. For further information please contact our Indigenous Employment Coordinator at: atsi_recruitment@uq.edu.au