



JOB DESCRIPTION

Senior Integration Developer Professional 6 Student Information Systems (SIS) programme 2 Year Fixed Term Contract

Dublin City University

Dublin City University (DCU) is a leading innovative European University. It is proud to be one of the world's leading Young Universities and is among the world's top 2% globally. DCU is known as Ireland's University of Impact, with a mission to 'transform lives and societies' and focuses on addressing global challenges in collaboration with key national and international partners and stakeholders.

DCU has over 20,000 students in five faculties spread across three academic campuses in the Glasnevin-Drumcondra area of North Dublin. Thanks to its innovative approach to teaching and learning, the University offers a 'transformative student experience' that helps to develop highly sought-after graduates. DCU is currently No. 1 in Ireland for Graduate Employment Rate, and for graduate income (CSO).

DCU is a research-intensive University and is home to a number of SFI-funded Research Centres. The University participates in a range of European and international research partnerships. DCU is also the leading Irish university in the area of technology transfer as reflected by licensing of intellectual property.

As a 'People First' institution, DCU is committed to Equality, Diversity and Inclusion - a University that helps staff and students to thrive. The University is a leader in terms of its work to increase access to education, and is placed in the world's Top 10 for reducing inequalities in the Times Higher Education Impact Rankings.

Overview of the department

The University is now looking to transform the way in which its staff and students interact with each other, using student information to align to our values and achieve excellence in service, ensuring the future needs of DCU can be met.

The Student Information Systems (SIS) programme has been mobilised in the Office of the Vice-President Academic Affairs to deliver this transformational change. This transformation will be

enabled by effective and efficient business processes supported by a fully integrated Student Information System (SIS) which will support our objectives to create and sustain a globally engaged university.

The Student Information Systems will consolidate and modernise multiple legacy student information systems into one, integrated software solution. The new SIS includes all crucial student information: admissions, finance, registration, enrolment, course management, advising, billing and payment, records, and more. Students will be able to access all of their key information through a single point-of-entry, providing a more agile and personalised experience.

Role Profile

Working as part of the SIS Programme Team and reporting to the Technology & Integration Lead or nominee, the Senior Integration Developer will lead the design and implementation of strategic ICT initiatives with a specific focus on system integration. Whilst assuming the role of subject matter expert in the area of system integration, s/he will work closely with other team members, the wider DCU stakeholder group and technology vendors to ensure that DCU systems communicate via APIs using a modern integration platform.

S/he will have strong leadership, customer-service, and communications skills and will be a key SIS interface with other groups across the University and with external partners.

Duties and Responsibilities

The duties and responsibilities of the position include, but are not restricted to, the following:

- Act as a senior system integration specialist, defining integration standards and ensuring that these standards are applied in a consistent manner across all integration development;
- Act as a senior system integration developer building new integrations and enhancing and migrating current point to point integrations using a modern enterprise integration platform;
- Design and build of onsite and cloud integration solutions;
- Mentoring colleagues on system integration methodology, emerging technologies and best practices.
- In-conjunction with strategic and tactical leadership from Director of SIS or his/her nominee, design, specify and deploy the installation of key cross-institutional cloud based, virtual and physical ICT infrastructure;
- Liaison with internal stakeholders in supporting University-wide ICT initiatives;
- Engagement with potential and existing suppliers of ICT related goods and services, providing technical evaluation and input to procurement processes, and ensuring best value for the University;
- Acting as subject matter expert and providing ICT consultancy advice to University-wide and other IT related projects;
- Attendance as appropriate at University committees and advisory groups;

- Monitoring industry trends and maintaining a technology watch on developments likely to be of relevance to the future transformation of a University-wide ICT infrastructure;
- Promote and develop automation through adoption of modern ICT tools;
- Develop automation using scripting/programming languages;
- Act as escalation point for SIS colleagues;
- Implement security enhancements to reduce vulnerabilities;
- Scope, design, management and delivery of designated IT projects

Qualifications and Experience

Essential

- Primary degree level qualification (NFQ Level 7) in Computer Science, Engineering or a relevant area
- At least 5 years' senior level experience in design, deployment and administration of ICT systems
- A sound understanding of the cross-institutional dimensions of enterprise systems, system integration, ICT infrastructure and the associated service delivery within a complex and highly devolved environment
- Significant knowledge of major technological developments influencing enterprise ICT infrastructure provision and management
- Proven ability to produce detailed documentation to a high standard
- In depth knowledge and experience of:
 - APIs and related technologies;
 - Databases technologies and DBA skills;
 - Software development lifecycle.
- Significant degree of technical competency including practical understanding of:
 - Modern integration platforms such as Boomi or Mulesoft;
 - Scripting/programming language;
 - IT Security.
- Excellent communication skills, including ability to influence senior stakeholders
- Team player who enjoys working with a diverse range of people
- Flexible and adaptable in outlook
- Ability to work effectively under pressure in a business critical service environment
- Self-motivated, showing initiative and sound decision making
- Committed to continuing professional development for self and others

Desirable

- Experience of enterprise level ICT management to maintain credibility with both internal stakeholders and external organisations, both technical and business-oriented
- Knowledge of Project Design and Management methodologies
- Working knowledge of:
 - Linux;
 - LDAP (Active Directory);

- Monitoring tools;
- Enterprise deployments of VMware;
- Hosted cloud services (AWS or Azure);
- Enterprise deployment of Networking;
- Identity management (SSO).

There is no direct line management of staff in this role. However, there is a requirement for significant coordination, influencing and communication skills in working with colleagues both within and outside of the University.