



JOB DESCRIPTION

Senior Software Developer

Guru Development Unit

Office of the Vice-President Academic Affairs (Registrar)

Permanent

Introduction

Dublin City University www.DCU.ie is a young, ambitious and vibrant University, with a mission 'to transform lives and societies through education, research, innovation and engagement'. Known as Ireland's 'University of Enterprise and Transformation', it is committed to the development of talent, and the discovery and translation of knowledge that advances society and the economy. DCU is the Sunday Times Irish University of the Year 2021.

The University is based on three academic campuses in the Glasnevin-Drumcondra region of north Dublin. It currently has more than 18,000 students enrolled across five faculties – Science and Health, DCU Business School, Computing and Engineering, Humanities and Social Sciences and DCU Institute of Education. DCU is committed to excellence across all its activities. This is demonstrated by its world-class research initiatives, its cutting-edge approach to teaching and learning, its focus on creating a transformative student experience, and its positive social and economic impact. This exceptional commitment on the part of its staff and students has led to DCU's ranking among the top 2% of universities globally. It also consistently features in the world's Top 100 Young Universities (currently in QS Top 70 Under 50, Times Higher Top 150 Under 100).

DCU is placed 84th in the world, in the Times Higher Education University Impact Rankings – measuring higher education institutions' contributions towards the UN Sustainable Development Goals. Over the past decade, DCU has also been the leading Irish university in the area of technology transfer, as reflected by licensing of intellectual property.

Guru Development Unit

The Guru System is a central information platform which hosts a number of modules, each addressing different academic requirements. 'Guru Stats' provides user-friendly analysis of student, module and programme information aimed at improving decision making for academics and administrators. 'Guru Exam' is a service to allow the generation, submission and review of examination papers in a secure and traceable manner. 'Guru Extern' is a service for the nomination and management of external examiners, quality review and institutional data analysis. 'Guru Archive' is a standalone service allowing institutions to publish their examination paper

archives from the Guru Exam module. Finally, 'Guru Connect' is a service for managing general processes and agreement workflows with particular emphasis on the management of external relationships.

Located within the Office of the Vice-President Academic Affairs (Registrar), the Guru Development Unit (GDU) is responsible for the development of the Guru software suite in order to digitalise processes and enhance access to relevant University data. The GDU is principally a software development unit responsible for the design, development and management of these bespoke software systems owned by the University. In addition, the unit currently provides Guru services and support to a number of external third-level institutions.

Role Profile

We are currently recruiting for a Senior Software Developer who will work with the team in developing and supporting our range of systems. The appointee will have strong development, customer-service and communications skills and will work with people at all levels across the third-level sector. As well as supporting current Guru Implementations, the candidate will be responsible for working on the development of the next generation of Guru Systems. The candidate will be directly involved in all aspects of the development and deployment stack and this position represents a significant opportunity to get involved in interesting and rewarding software development.

Duties and Responsibilities

The key duties and responsibilities attaching to the post include, but are not limited, to the following:

- Core web application development principally focused on Microservices, Spring and Angular
- AWS Cloud deployment, maintenance and security
- Shared remit for the design, development and maintenance of all Guru systems
- Testing of software for functionality, reliability and security
- Continuous Integration & Continuous Delivery (CICD)
- The design of responsive, user-friendly software systems with minimal training requirements
- Working closely with colleagues and customers in both support and the identification of opportunities for further innovation
- Design, development, maintenance and support of future software modules at DCU
- Provide assistance to internal and third-party system users

Qualifications and Experience

Applicants for this position must hold a primary degree or equivalent (NFQ Level 7) in Computer Applications or a relevant area and have a minimum of 6 years of practical/industrial software development experience.

In additional, the ideal candidate will have:

- A strong background in the development of Java Spring & Angular 8+ web applications
- Experience with the development of applications using Open API, BPMN and automated AWS deployment
- Strong web application development and design skills. Primary technologies include: Spring Boot, Grails, Camunda, OpenAPI, ElasticSearch, Amazon AWS, Fargate, EC2, Hibernate, JavaScript, REST, jQuery, jQuery-UI, PrimeNG, Angular 8+, Java, Node and Artemis. Secondary technologies include: Linux, Web Services, Software Testing, Unit testing, GitHub.
- Demonstrated experience working in a small team and interacting as needed with colleagues
- A strong aptitude for process and solution evaluation and design
- Excellent analytical and project management skills
- A deep customer focus, results driven and self-motivated
- An ability to work under pressure to deadlines
- Excellent interpersonal and communications skills - written and oral
- A demonstrated desire to upskill and learn new technologies

Mandatory training

The post holder will be required to undertake the following mandatory compliance training: Orientation, Health & Safety, and Data Protection (GDPR). Other training may need to be undertaken when appropriate.