

JOB DESCRIPTION

Job Title	Senior Developer	Grade	SG8
Directorate	Information & Library Services / Business Solutions	Date of job evaluation	Sept 21
Role Reports to	Software Development Manager		
Direct reports	Developer, Assistant Developer and Intern Developer roles as required, based on the allocation of duties.		
Indirect reports	Matrix responsibility for other ILS staff as part of leading projects		
Other key contacts			
This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.			

PURPOSE OF ROLE

The post holder will be part of the Development Team, that has responsibility for the technical development and maintenance of the University's core business systems, including the student records system, mobile and web-based systems, HR, Finance and timetabling systems. They will be involved in all phases of the development of new business systems, maintenance of current systems, changes and system upgrades, using requisite functional and technical expertise in a timely and cost-effective manner.

This role is specifically focused on full-stack development, requiring RDBMS, application and front-end expertise, and is a source of knowledge and experience for the Development Team.

KEY ACCOUNTABILITIES

Team Specific

- Within the business and/or technical area(s) assigned, working closely with the other Information Systems Teams and Business Analysts, and under the direction of the Software Development Manager, plan, schedule, develop, document and implement new systems, system changes and/or system upgrades through testing into production in a timely and effective manner.
- To supervise and direct members of the Development Team (and potentially staff outside the team) in relation to specific projects.
- To lead and ensure the effective delivery of projects involving the Development Team through the development lifecycle including the supervision of development staff and other staff via matrix as required.

- Ensure the effective management of suppliers including, where appropriate, the delivery of managed services, monitoring of contract levels and building of effective supplier relationships.
- To be a point of authority for the relevant areas of systems or technical responsibility.
- Proactively liaise with key staff within Faculties and Directorates to ensure the systems and services provided by Business Solutions meet the needs of the University community and students.
- Participate in the provision of general and application specific information systems advice to end- users.
- Be proactive in establishing relationships with Higher Education and supplier groups relevant to the systems supported by Business Solutions.
- To contribute to the development of and conform at all times with departmental policies, procedures and standards.
- As required, ensure that the Software Development Manager is kept fully informed of developments.
- To be pro-active in promoting the image of Information & Library Services within the University, the wider higher education community and the national and international user communities associated with technical and functional use of our corporate systems.
- From time to time, to participate in specific projects not directly related to the main functions of the post.

Generic

- Liaise with external agencies and organisations, as appropriate, on the University's behalf.
- Foster relationships and contact networks amongst peers and suppliers across the sector.
- Disseminate knowledge and experience to other team members as required.

Managing Self

- Contribute to the development of office processes.
- Proactively lead team, group, service and project meetings as necessary.
- Demonstrable ability to successfully work as part of a team but also an ability to work autonomously with initiative where necessary.
- Work accurately under pressure.
- Motivate and support the Development Team.

- Willing to develop professionally, maintaining a knowledge of techniques and developments within the IT industry.

Core Requirements

- Adhere to and promote University's Policies on Equality and Diversity and Information Security.
- Ensure compliance with Health & Safety regulations.
- Support and promote the University's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, recognising the shared responsibility of minimising the University's negative environmental impacts wherever possible.

Additional Requirements

- The post holder will have access to a range of sensitive and key University systems. It is therefore essential that they demonstrate a high level of professional integrity and discretion.
- Any other duties as appropriate to the post and grade.
- A willingness to travel to any of the University's sites as necessary.
- Attend and participate in user and special interest groups, seminars and conferences as required.
- In line with the operational calendar of the University, the post-holder will occasionally be required to schedule and attend to works outside normal working hours. Note: the IT at risk period is 0700 – 0900 Tuesday mornings, which is when new equipment is usually commissioned.
- In line with key events in the University calendar there will be an on-call requirement for some evenings and weekends.
- Hours will be as required to undertake the role, including the scheduling and attendance of works outside normal working hours.

KEY PERFORMANCE INDICATORS

- To produce high quality work delivered to the agreed timescales.
- To contribute positively towards and with colleagues be accountable for service level indicators which are defined for the team.
- Projects within the team are delivered on time, budget, scope and quality.

KEY RELATIONSHIPS (Internal & External)

- University staff
- Partner, Network and Collaborative Centre staff
- University, Partner, Network and Collaborative Centre students
- Colleagues across the sector in related fields
- Software suppliers

PERSON SPECIFICATION

ESSENTIAL	DESIREABLE
<p>Experience</p> <ul style="list-style-type: none"> • Demonstrable high-level experience of complex systems development and maintenance in an enterprise-scale business information systems environment. • Extensive, consistent and focused practical experience of application development in one of more of the following: Java, Oracle PL/SQL, .NET or Groovy/Grails. • Experience in front-end and web technologies including HTML (5), CSS (3), JavaScript (including JQuery, Bootstrap and AngularJS), Angular, AJAX, REST and SOAP/Web Services. • Experience in one or more of the following: Platforms: Spring and Tomcat. Tools: Maven, Gradle, JUnit, Hibernate ORM and JIRA. • Significant working knowledge of SQL and the principles of RDBMS and associated systems analysis techniques. • Significant experience in the use of version control with Git, formalised QA/testing and revision-based development. • Experience of working as part of a team of programmers, using Agile and Waterfall software development frameworks. • Following an agreed development methodology, ability to manage projects from inception through to completion including proactive liaison with user management and the 	<p>Experience</p> <ul style="list-style-type: none"> • Experience in systems development within a Higher Education or related environment. • Experience in mobile app development in Android/Kotlin and/or iOS/Swift. • Experience in cloud-based Systems/Data and Integration Tools/Platforms. • Experience working within a multi-disciplinary team as a developer (alongside staff with responsibility for business analysis, testing and project management). • Delivering training.

supervision of work from other Development Team members.

Skills

- A strong understanding of systems analysis and design across hardware and software platforms including a good understanding of object-oriented design.
- Appreciation for web application security techniques.
- Experience of TDD or BDD.
- Demonstrable ability to problem-solve within a complex multi-component environment.
- Well organised, self-motivated with an ability to manage a wide and varied workload.
- Ability to learn new skills quickly.
- Good documentation/report writing skills.
- Ability to communicate with staff at all levels including delivering papers and presentations at meetings.

Qualifications

- Educated to degree level or equivalent demonstrable experiential learning within a relevant technical, educational management or business discipline.

Personal attributes

Skills

- Proficiency in Linux.

Qualifications

- Relevant postgraduate or professional qualification.
- Membership of a relevant professional body.
- Certified accreditation in a relevant programming language or technology.
- Prince 2 and/or ITIL accreditation.
- Agile Methodology certification (e.g. Scrum).

- We are looking for people who can help us deliver the values of the University of Greenwich: Excellence, Determination, Inclusivity, Ambition and Creativity.