1. Job Details

Job title: Senior Analyst Developer 022G

School/Support Department: Management Information Services

Unit (if applicable): Development Team, part of Development Services Group

Line manager: Senior Systems Developer

2. Job Purpose

To design, develop and implement IT systems to enhance the business and academic activities of the University. As a lead developer within project teams the Senior Analyst Developer has responsibility for the systems analysis, design and technical architecture of the proposed solution and for ensuring successful development to produce an effective IT service.

3. Main Responsibilities

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<th>Approx. % of time</th>
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<td>1. Design IT solutions which most effectively meet the requirements of the customer using estimation techniques and create detailed technical specifications for programs and systems for use by Analyst Developers.</td>
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<td>2. Develop high quality business application software using a variety of different technologies to agreed technical and business specifications.</td>
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<td>3. Direct and guide staff in order to enhance effectiveness of project teams and ensure the quality and timeliness of project deliverables.</td>
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<td>4. Maintain and apply an in depth understanding in one or more IT specialist areas (technology applications, systems analysis, design etc.) to develop practical business solutions disseminating knowledge and best practice to colleagues both in MIS and externally.</td>
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<td>5. Contribute to the development of technical standards or business processes for use by the team or the department as a whole to promote the quality, effectiveness and value for money of MIS delivered IT solutions.</td>
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4. Planning and Organising

- Producing technical specifications which provide the basis for development work undertaken by the team.
- Lead developer on larger and/or more complex projects co-ordinating and overseeing the work of Analyst Developers in the project team.
- Managing personal workload of development tasks within agreed timescales to ensure project deadlines are met liaising with the Project Manager, line manager, colleagues and customers as required to advise on progress.
o Some duties may be urgent and reactive, e.g. providing technical assistance to solve immediate project/service issues.

5. Problem Solving

o Analysing requirements and designing IT solutions, often using new and innovative techniques, to solve complex business and technical problems typically working under pressure to meet business deadlines.

o Identifying ways to successfully communicate technical information to customers so that specifications can be clearly understood and verified before development starts.

o Responding to changing requirement specifications from customers advising Project Manager of likely impact on workload and deadlines.

o Contributing to projects in a range of different areas in accordance with established project methodology, standards and guidelines, e.g. analysing test feedback and resolving design issues.

o Providing specialist technical input to resolve technically complex or critical support issues when required.

6. Decision Making

o Determine the most effective architecture and design of computer systems which best meet the requirements of the customer.

o Resolve technical issues which have been referred by Analyst Developers or other members of the project team.

o Determine time estimates for technical tasks to assist with project planning as part of agreed estimation process

o Selecting the most appropriate programming method to solve a problem according to the agreed specifications and standards – this decision may be made by the individual but is constrained by previously agreed standards and specifications.

o Identifying issues or problems which may jeopardise project deadlines or compromise the solution required by the customer and highlighting these to issues or concerns to the Project Manager and/or line manager.

7. Key Contacts/Relationships

o Working closely with staff from across the University, both technical and customers, who are involved in new software projects.

o As lead developer providing primary contact point for Project Manager and customers for discussion and resolution of technical concerns.

o Providing technical expertise in meetings with software and/or hardware suppliers.

o Attending at various internal and external committees, conferences and groups, e.g. UoE Information Services Disability Advisory Group, UK Cold Fusion Group, JA-SIG conference, in order to enhance knowledge and awareness of University and technology requirements whilst increasing public profile of MIS and the University.

8. Knowledge, Skills and Experience Needed for the Job

o A degree, or equivalent qualification, preferably in a computer related subject.

o At least 5 years experience of software development with at least two years experience working in a systems analyst or design role.

o Strong software development skills using technologies such as Java, Cold Fusion and PL/SQL ideally backed with professional qualification, e.g certification.

o Ability and willingness to provide technical leadership.

o Excellent analytical and problem solving skills
o Knowledge of relevant legislation, e.g. Web Accessibility
o Ability to learn new technologies apply these effectively in within a variety of business contexts.
o Effective communication and interpersonal skills are needed for liaison with others at all levels.
o Strong customer focus and team working skills.
o Maturity and confidence to work under pressure to deliver effective and high quality solutions.

9. Dimensions

o Co-ordination of development activities for up to 3 colleagues
o Resource provision to the majority of MIS projects – typically 60+ projects per annum.
o Contribute towards successful project delivery to 26000 MIS customers (3000 staff, 3000 visitors, 20000 students)
o Providing technology advice and information to 50+ staff across MIS.

10. Job Context and any other relevant information