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| <b>Post Title:</b> | Senior Test Engineer |
| <b>Grade:</b>      | 7                    |

## **Job Description**

### **2.1. Purpose**

The role of a Senior Test Engineer is to perform the highest quality of testing across various platforms and systems to improve the quality of delivery from the department. Using an iterative approach this role will incorporate agile testing techniques to demonstrate a satisfactory level of quality has been achieved.

### **2.2. Main Duties and Responsibilities**

1. To develop, implement and maintain efficient and effective test plans. This includes detailed test cases based on project artefacts, such as business requirements, functional specifications, source to target mappings, analytic or technical specifications. Designing test cases, both manual and automated, to cover new functionality being developed.
2. To assist other staff in the section in their testing through mentoring, coaching and advising.
3. Creating, reviewing and maintaining robust automation tests that integrate with our service-oriented architecture.
4. Coordinating the execution of manual and automated regression testing.
5. Reporting and managing defects through to successful resolution. The post-holder will be required to accurately record test findings, in line with agreed procedures and assist in issue fixing and their subsequent testing/re-testing. Provides timely status reports on testing and findings to Team Leaders.
6. Improving the section's quality assurance tools and processes.
7. Working as a member of a cross-functional team who collaborate to build quality products.
8. To carry out compatibility assurance checks as part of the software change & release process.
9. To provide documented & verbal updates to internal departments as a response to feedback from UAT.
10. Develop and implement QA methodologies & frameworks.

Deputises for the Test Engineering Team Leader as required.

**AND** such other duties as are within the scope of the spirit of the job purpose, the title of the post and its grading.

### **2.3. Supervision Received**

Line management is from the Test Engineering Team Leader.

### **2.4. Supervision Given**

None.

### **2.5. Contacts**

- IT Services staff, including Executive Team.
- Staff and students in other Schools / Support Areas of the University Group.
- External Suppliers and other education institutions.

### 3. Person Specification

| ATTRIBUTES   | ESSENTIAL   | ADVANTAGEOUS   |
|--|---|--|
| <b><i>Education &amp; Qualifications</i></b>                   | <ul style="list-style-type: none"> <li>• Educated to degree level in a relevant discipline with a professional qualification or substantial experience in related field in lieu of the above.</li> </ul>  | <ul style="list-style-type: none"> <li>• Postgraduate or professional qualification in a relevant discipline, or chartered member.</li> <li>• CSTE.</li> <li>• ITIL.</li> <li>• CISSP.</li> </ul>  |
| <b><i>Knowledge &amp; Experience</i></b>                       | <ul style="list-style-type: none"> <li>• Experience of test engineering.</li> <li>• Experience in the design and maintenance of manual test plans.</li> <li>• Experienced in the identification of test conditions.</li> <li>• Experience of creating fault reports</li> <li>• Experience with either SQL Server TSQL and Oracle PL/SQL in the use of stored procedures, triggers, and functions.</li> <li>• Experience of Windows application testing.</li> <li>• Experience of web application testing.</li> <li>• Experience of various software testing processes &amp; methodologies.</li> <li>• Experience with the software release life cycle and various release methodologies.</li> </ul> | <ul style="list-style-type: none"> <li>• Higher Education experience.</li> <li>• Previous experience of test automation tools.</li> <li>• Experience of SQL Server and/or Oracle.</li> <li>• Experience in one or more of the following languages (C#, .Net, Java, JavaScript).</li> </ul> |
| <b><i>Job-related Skills, Abilities &amp; Competencies</i></b> | <ul style="list-style-type: none"> <li>• Proven analytical, planning and execution skills.</li> <li>• Proven leadership and management skills with the ability to develop, communicate and inspire staff.</li> <li>• Takes accountability and has strong sense of ownership.</li> <li>• Results oriented and a commitment to a high quality customer service</li> <li>• Ability to build and maintain broad network of business relationships.</li> </ul>   | <ul style="list-style-type: none"> <li>• Risk management.</li> <li>• Public cloud infrastructure.</li> </ul>   |

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|------------------------------------|---|--|
|                                    | <ul style="list-style-type: none"> <li>• Knowledge of customer behaviours, needs and expectations.</li> <li>• Ability to lead a team/discipline to quickly resolve complex problems in the provision of IT services.</li> <li>• Good understanding of current and emerging technologies and how other enterprises are employing them to drive digital business support.</li> <li>• Software testing principles and concepts.</li> <li>• Software testing ecosystems.</li> <li>• Test planning.</li> </ul>   |  |
| <b><i>Interpersonal Skills</i></b> | <ul style="list-style-type: none"> <li>• Able to influence and negotiate at appropriate levels and also where resources may not be in direct control of this role.</li> <li>• Proven communication, and presentation skills.</li> <li>• Ability to forge effective relationships in a complex matrix management environment.</li> <li>• Results oriented, adaptive and decisive.</li> <li>• Ability to build trust and display integrity.</li> <li>• Ability to work collaboratively and be a key team player.</li> <li>• Creative and innovative thinking.</li> <li>• Can resolve conflicts and problems.</li> </ul> |  |
| <b><i>Other Requirements</i></b>   | <ul style="list-style-type: none"> <li>• A flexible approach to working hours and location, including a willingness to travel, locally, nationally or overseas, as required.</li> <li>• An appreciation of other cultures; the global reach of the University Group and its international agenda.</li> <li>• Ability to work flexibly and extended hours by agreement to meet tight, fixed deadlines or as required by service imperatives.</li> </ul>  |  |

