

<b>Job title</b>	<b>Software Engineer</b>		
<b>Job family</b>	<b>Technology, Systems &amp; Delivery</b>	<b>Band</b>	<b>C</b>

<b>Job purpose</b>
Responsible for implementing effective software and tools for given designs.

<b>Key responsibilities and accountabilities</b>
<ul style="list-style-type: none"> <li>• Develop effective software that meets given specifications.</li> <li>• Review and give feedback on others' code.</li> <li>• Write tests using automated test-driven techniques for ensure code quality.</li> <li>• Integrate the software with monitoring and support tools.</li> <li>• Support system integration in its operating environment.</li> <li>• Write and review technical documentation.</li> <li>• Help troubleshoot and resolve issues throughout the product life cycle, including out of hours support for incident resolution.</li> <li>• Participate in the team's agile planning and delivery process.</li> <li>• Participate in the team's software development methodologies, such as pairing, code and documentation reviewing, and continuous delivery.</li> <li>• Learn new technologies and keep informed of existing technologies.</li> </ul>

<b>Knowledge, skills, training and experience</b>
<p><b>Essential</b></p> <ul style="list-style-type: none"> <li>• Experience writing and maintaining robust production software.</li> <li>• Competence in one or more mainstream development languages and frameworks.</li> <li>• Competence with one or more mainstream development and deployment tool chains(Integrated Development Environment (IDE), Source Code Control System (SCCS), Continuous Integration (CI)).</li> <li>• Knowledge of the web architecture and key technologies (Hypertext Transfer Protocol (HTTP), Domain Name System (DNS), distributed design).</li> <li>• Competence in test driven development and broader testing &amp; QA concerns.</li> <li>• Competence in developing for operational concerns (monitoring integration, performance testing, security considerations).</li> <li>• Experience of project working and professional software development processes, including agile</li> <li>• Collaboration within a team – ability to speak up, challenge, agree and commit.</li> </ul> <p><b>Desirable</b></p> <ul style="list-style-type: none"> <li>• Experience of database design and use in software applications.</li> <li>• Takes responsibility for delivering tasks to completion.</li> <li>• Understanding of designing and implementing for non-functional concerns.</li> <li>• Worked in a professional software development environment on several projects (including experience in testing, design and release).</li> <li>• Experience of releasing software to a production use case.</li> <li>• Participated in reviews and inspections of code.</li> </ul>

- Software Engineering or Computer Science Degree or equivalent.

<b>Job impact</b>	
<b>Scope</b>	
Finance:	No financial responsibility.
Line Management:	No line management responsibility.
Ad-hoc Teams:	Participates in departmental hack days and external ad-hoc events (typically 5 to 20 members).

<b>Other information</b>	
<b>For Reward team use only</b>	
Job Code	
Definition:	Content

*This job description is a written statement of the essential characteristics of the job, with its principal accountabilities, incorporating a note of the skills, knowledge and experience required for a satisfactory level of performance. This is not intended to be a complete, detailed account of all aspects of the duties involved.*