

Job title	Software Engineer		
Job family	Technology, Systems & Delivery	Band	C

Job purpose
Responsible for implementing effective software and tools for given designs.

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

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

- Software Engineering or Computer Science Degree or equivalent.

Job impact

Scope

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).

Other information

For Reward team use only

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.