

Job title	Software Engineer		
Job family	Technology, Systems & Delivery	Proposed 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 appropriate 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 to 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 • Effectively participate in the teams software development methodologies, such as pairing, code and documentation reviewing and continuous delivery • Learn new technologies and keep abreast of existing technologies

Knowledge, skills, training and experience
<p>Essential</p> <ul style="list-style-type: none"> • Demonstrable 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 (IDE, SCCS, CI) • Knowledge of the web architecture and key technologies (HTTP, 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 • Effective 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 driving tasks to completion • Understanding of designing & 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 their software to a production use case

- Participated in reviews and inspections of code (sat with a peer or someone more senior reviewing your code)
- Software Engineering or Computer Science Degree or equivalent

Job impact

Decision Making

- Reports to Principal Software Engineer or Software Engineering Manager
- Tasks are allocated to the job holder by the team lead
- Undertakes tasks independently
- Independently writes tests to check quality of code
- Assesses feedback from reviews and incorporates as appropriate
- Troubleshoots independently or with the support of others where necessary
- Contributes to the teams iterative and collaborative design and implementation decisions

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.

Appendix

There may be sub-sets of the generic job described above which require additional technical skills. This appendix to the generic job description can be developed to cover such situations.

Organisation structure
<p>BBC iPlayer is one of the UKs most well-known and loved brands. Our mission is to secure the Internet future of BBC.</p> <p>It is an exciting time to join the team, as our mission is to be the future of BBC TV. This is a place where your work impacts millions of iPlayer users every day. You will have an opportunity to work on software at a scale that is hard to find in the country.</p> <p>We're looking for passionate Software Engineers to join our fast paced cross-discipline agile team to make iPlayer the indispensable video destination. As a fullstack engineer, you will be tackling a wide range of technical challenges that drive our products forward.</p>

Additional job specific responsibilities and accountabilities
<p>Responsibilities</p> <ul style="list-style-type: none">• Design, develop & release working software using best practices• Review and Pair-Program with other team members• Learn new technologies and adapt to change• Promote skills and knowledge sharing <p>Essential Skills & Experience</p> <ul style="list-style-type: none">• Creating complex and performant UIs (e.g. CSS and animations)• Building modern web applications (e.g. ReactJS)• Server-side development (e.g. NodeJS)• Learning new software skills and working with new technologies