

| | | | |
|-------------------|---|----------------------|----------|
| 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 | |
| <ul style="list-style-type: none"> • 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.

| | |
|---------------------------|---------------------------------------|
| Division | BBC Platform |
| Reports to (title) | Software Engineering Team Lead |
| Location base | White City London |

Additional job specific responsibilities and accountabilities

What You'll Be Doing:

With a background in Test Automation you will work in collaboration with our full-stack developers to ensure that quality is built into our products from the ground up.

You will welcome the opportunity to breakdown the traditional barriers between dev and test by playing a key role in the full product feature lifecycle, bringing your skills and expertise to BDD sessions and championing quality through to live release.

As a skilled agile practitioner you will play a key role in helping the team to meet our world-class quality expectations and also take every opportunity to develop your technical skills set.

Key Skills:

- Strong practical knowledge on at least one programming language e.g. Java or Ruby
- Must have worked in BDD Test Frameworks e.g. Cucumber-JVM, Cucumber, RSpec,
- Good understanding of API technologies e.g. RESTfull
- Experienced in Framework Management technologies e.g. Maven or Ant
- Exposure with any one of the following Continuous Integration tools: Jenkins, Hudson, Team City, Bamboo, Anthillpro
- Must have strong views on Agile TDD/BDD
- Must be comfortable in working with any existing Test Automation Framework and be able to contribute towards the improvement of the Test Framework

Desirable Knowledge:

- Cookie based application testing
- Gatling
- UNIX
- TDD or Unit Testing
- Amazon Web Services
- Cross Platform Testing