

Job title	Senior Software Engineer		
Job family	Technology, Systems & Delivery	Band	D

Job purpose
Responsible for the design of software, and for implementation and operation of effective software and tools.

Key responsibilities and accountabilities
<ul style="list-style-type: none"> • Lead the design and development of software that meets complex product and business needs. • Review and give constructive feedback on others' code. • Deliver work to successful completion across the immediate team. • Write appropriate tests using automated test-driven techniques for ensuring code quality and coverage. • Integrate the software with monitoring and support tools. • Ensure software works in its operating environment. • Write, review and take responsibility for technical documentation. • Lead troubleshooting and resolution of issues throughout the product life cycle, including out of hours support for incident resolution. • Participate in and lead as required, the team's agile planning and delivery process. • Participate in and help improve the team's software development methodologies such as pairing, code and documentation reviewing, and continuous delivery. • Work with project, product and technical leads to design software and create implementable specifications and tasks at feature and component level. • Work with third party providers where necessary offering direction, support and documentation. • Mentor and coach more junior staff. Provide technical leadership and direction colleagues. Line management of 1-2 software engineers (if appropriate). • Keep informed of existing and new technologies, introducing them where appropriate.

Knowledge, skills, training and experience
<p>Essential</p> <ul style="list-style-type: none"> • Experience writing and maintaining large scale, robust production software in a fast changing environment with rapid release cycles. • Expertise in one or more mainstream development language/frameworks. • Expertise with one or more mainstream development and deployment tool chains (IDE, SCCS, CI). • Competence in database design and use of software applications. • Expertise in web architecture and key technologies Hypertext Transfer Protocol (HTTP), Domain Naming System (DNS) and distributed design. • Expertise in test driven development, broader testing and QA concerns. • Expertise in developing for operational and non-functional concerns (monitoring integration, performance testing, scale, availability and resilience, security considerations). • Experience of project working and professional software development processes, including agile. • Competence in translating product requirements into technical solutions

- Experience in using design patterns.
- Effective leadership and collaboration inside and beyond the team. The ability to influence diverse stakeholders effectively.
- Takes responsibility for delivering work to completion across the team.
- Technical Lead on at least one medium/large sized project (3 months+).

Desirable

- Experience of working on multiple projects or codebases concurrently.
- Software engineering , computer science degree or equivalent.
- Experience of mentoring and supporting less experienced members of the team.

Job impact

Scope

Finance: Responsible for headcount budget of £125k.

Line Management: Line management of 1-2 staff

Ad-hoc Teams: Participates in various ad-hoc teams of up to 30 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.