

Job description and personal specification

A: The role

Job title	Software Architect
Job ref	SA01
Reports to	Chief Executive Officer
Location	Hybrid working at home and at the office in Cardiff
Salary	Up to £ 70,000 per annum
Employment status	Permanent
Job purpose	Design a new software system for a ground-breaking medical treatment. The Software Architect will work within a small team to contribute to all stages of the development life cycle including re-search, design implementation, design review, release and post-release support
Hours of work	Full time

B: Job description

Main tasks/Accountabilities
Define all aspects of development from appropriate technology, tools and workflow to coding standards, guidelines and project practices through to implementing appropriate testing methodologies, and release
Development of code in line with Quality and processes defined within the project
Development of high-level specifications, and organisation of the production of Proofs-Of-Concept before ensuring the development of a releasable system
Risk management and consideration of the financial impact of any proposed solution or design
Collaborate with developers and engineers to determine functional and non-functional requirements for new software or applications
Presentation of project status to the cross-functional team

Main tasks/Accountabilities
Provide technical guidance and coaching to developers and engineers
Ensures compliance to all regulatory requirements, security, and quality standards and conveys an expectation of high software quality
Approve final product before release
Act as Technical Lead with 3rd parties
<i>This is not intended to be an exhaustive or definitive list, you may be required to carry out other duties as required.</i>

C: Personal specification

It is important to draft the personal specification carefully as this will be used to assess candidates as part of the shortlist and interview process.

Please indicate if the criteria are essential or desirable:

- 1 E = Essential to carry out the role to the minimum required standard
- 2 D = Desirable but not essential to carry out the role

Knowledge/Qualifications	E MSc/MA in Computer Science, Computer Engineering or Mathematics, Physics or a related Engineering discipline Understanding of software quality assurance principles Knowledge of software and application design and architecture Knowledge of modelling methods	D
Skills/Abilities	E Excellent interpersonal skills Detail-Oriented Critical thinker	D

	<p>Excellent ability to understand and problem-solve at both the system at the software level</p> <p>Management skills</p>	
Experience	<p>Proven experience as a software architect of distributed systems</p> <p>Proven experience as a software architect of distributed systems</p> <p>Proven ability in software development and coding in various languages (C#, .NET, Java, C or C++ or C# or Python etc.)</p> <p>Demonstrated experience documenting product requirements and product design</p> <p>Building systems using PaaS</p> <p>UX design</p> <p>Working with an internal and outsourced development team</p> <p>Working with 3rd party partners on collaborative projects is desirable</p>	<p>Experience in working with 3rd party partners on collaborative projects is desirable</p>
Personal qualities	<p>E</p> <p>Able to positively influence others</p> <p>Driven and ambitious with a desire to continuously improve and deliver high-quality software</p>	<p>D</p>

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Special factors	E Sense of ownership and pride in your performance and its impact on the company's success Ability to work within a small team	D