Role Profile for Software Engineer

Job Title	**Software Engineer**
Reports to	Software Architect
General scope of post	The role of Software Engineer is to develop, enhance and maintain the broad range of the Trust's business applications and databases, with a strong focus on application interoperability and system interfaces. Under the direction of the Software Architect the role holder will ensure systems are reliable, supported, managed and well documented and manage the expectations of stakeholders. Working closely with the Trust's Software Architect you will feed in to and help roll-out a Trust Application management and development strategy. The role holder will be assigned specific applications and / or activities for which they take specialist responsibility.
Key Accountabilities	• To work under the direction of the Software Architect but with autonomy delivering full development lifecycle solutions, escalating any issues to the appropriate stakeholder. • Working closely with other employees, such as Project Managers, Designers, Senior Consultants, Systems Analysts, Testing Teams and Business Development Managers to ensure seamless delivery of projects. • Develop, enhance and maintain the Trust's applications and databases under the direction of the Software Architect and IT Applications Manager. • To design, define and document solutions, taking part in technical requirement meetings, workshops, conference calls, discussion forums and related meetings. • To write and work through development specifications and create solutions where appropriate in line with project documentation. • To manage customer expectations of technical requirements and system limitations. • To keep up to date on all technologies connected application interoperability, including ETL tools, data interfaces and interoperability platforms. • Maintain and continually update your development capabilities by attending internal cross training workshops, external courses, sitting appropriate exams, reading manuals/blogs, joining and taking part in relevant user group activities and accessing new applications. • Maintain as broad knowledge as possible of the technology platforms used by the Trust. • Ensure all work is documented, quality assessed and tested before implementation, following the Trust's deployment and development processes. • Carry out software development using recognised methodologies (e.g. Scrum, Agile). • Ensure any implementations are fully tested and planned with the IT Services team and where necessary User Acceptance Tested and approved for implementation by users. • Maintain knowledge of software development skills to support the Trust's applications portfolio and assist in consolidating and improving the Trust's applications architecture. • Develop technical expertise as a specialist in specific service areas. For example, C#, ASP.net, VBA, JavaScript, database administration, HTML, CSS, MI tools, SQL, SSIS, SSRS, ETL as required for assigned and specialist responsibilities. • Develop test plans and scripts and support system, integration and User Acceptance Testing. • Liaise with the IT Service Desk, trainers, IT testers and super users on new work and feedback from users.

- Work closely with suppliers or contract staff, if necessary as part of joint development or project teams.
- Ensure Information Governance policies and procedures are followed and where applicable included in systems design.
- Provide assistance, administration and communication to all application system users as directed.
- Attend meetings, seminars, conferences, etc., outside of business operating hours as and when required by the Company.
- To undertake any other tasks compatible with the role as directed by the IT Applications Manager or Software Architect.

Number of Direct Report	None
Financial Responsibility	None
Knowledge, skills & Abilities	• Professional or academic qualification in IT to A level • Technical developer in C#, C+ and SQL • Database administration • Previous experience developing with the Microsoft stack. • Previous IT application development and support experience.

Role Profile for Software Engineer

Person Specification

ESSENTIAL	DESIRABLE
<u>Qualifications</u> • Professional or academic qualification in IT to A level	• Educated to degree level in an IT or Mathematics discipline. • MCPD (Certified Developer)
<u>Experience</u> • Experience of planning and prioritising own workload and working on own initiative. • Previous experience developing with the Microsoft stack. • Previous IT application development and support experience. • Experience of systems development methodologies is also essential, preferably Agile and/or SCRUM. • Experience of working in an IT technical and operational environment. • Experience of providing telephone and face-to-face support and guidance. • Experience of basic business analysis and systems design. • Experience of designing and building system interfaces and/or implementing ETL platforms.	• Experience of working in a development environment. • Experience of working in a health and social care environment, preferable adult care. • Experience of working with suppliers providing Infrastructure as a Service (IaaS) and Software as a Service (SaaS). • Experience of developing against Microsoft SharePoint 365 would be a distinct advantage.
<u>Knowledge, Skills and Ability</u> • Knowledge of ETL and system interfaces. • Knowledge of database administration and SQL. • Knowledge of technologies relevant to assigned responsibilities including two or more of the following: C#, ASP.net, HTML, CSS, JavaScript, XML/XSLT. • Knowledge MI tools, SQL, SSIS, SSRS, etc. • Knowledge of MVC frameworks, Windows Workflow, Version Control code repositories. • Knowledge and experience of using IDE environments in particular Visual Studio. • Knowledge of code version control systems (GIT)	• Knowledge of QlikView. • Knowledge of continual integration platforms, unit testing and automated testing systems. • Knowledge of code deployment processes.
<u>General Aptitude</u> • Good technical problem-solving skills. • Work under own initiative with organised	• A free thinker who can bring new ideas to the table and

approach. • Organised and methodical • Agile and flexible in your approach. • Dedication and focus to delivering projects	demonstrate well thought out plans to execute them if appropriate. • Desire to learn new software products as they are released and to critique them as requested • Not afraid to discuss new theories and ideas
Motivation • A commitment to improve the standards of care for our residents and clients through IT services. • Demonstrates enthusiasm for delivery of quality IT services	• Is interested in how the innovative application of technology can benefit the organisation. • Commitment to IT as an enabler for organisations to achieve their operational objectives
Interpersonal Skills • Able to form effective working relationships • Excellent telephone manner • Able to communicate technical issues to both technical and non-technical colleagues • Ability to work well within a team. • Ability to work under own initiative with organised approach. • Experience of working in a matrix management environment • Experience of communicating at all levels both internally and externally.	
Ability to meet Job Requirements • Willing to attend meetings / training courses as required • If required, an infrequent overnight stay away from the office. • Prepared to work between 08.30 and 17.00 • Willing to work reasonable additional hours as required, occasionally out of hours • Full driving license and access to a vehicle to use for business travel (including site visits for IT support)	