

Document Information

Team	Software Products & Services
Position	Quality Assurance Engineer
Contact Person	Steve Heighway (steven.heighway@simulity.com)

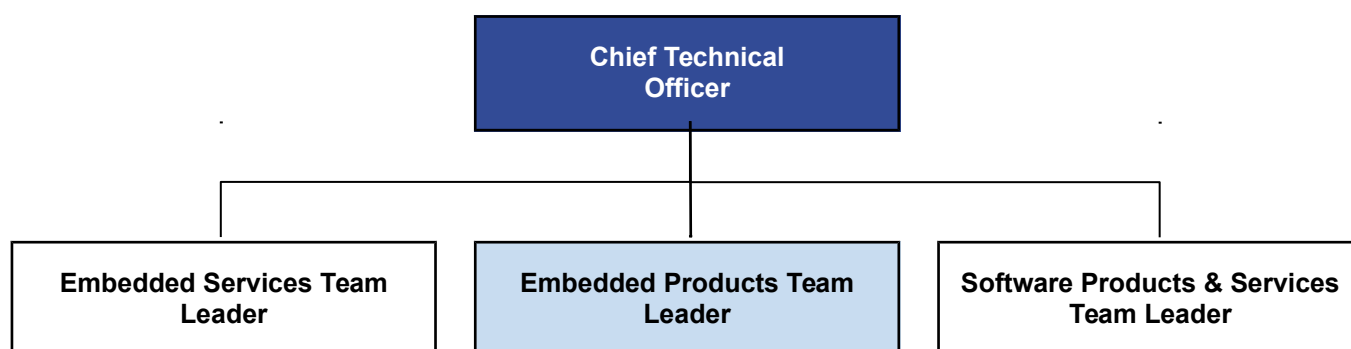
Role

The role of the Quality Assurance Engineer includes the following tasks.

- **Developing in-house quality procedures, standards, and specifications.**
- **Creating and executing end-to-end test plans** to ensure quality of all software.
- **Stress, performance, functional, and scalability testing** for all software products & services.
- **Maintaining effective communication** with software engineers.

Reporting

Our technical department is structured in three technical teams as described in the below chart.



The Quality Assurance Engineer reports to the **Software Products & Services Team Leader**.

Location

The Quality Assurance Engineer position is open in our Welsh office located at the following address: **Unit 8, Ash Court, Parc Menai, Bangor, Gwynedd, LL57 4DF, Wales, UK.**

However candidates must be aware that they may be required to travel from time to time to our customer's locations anywhere in the world for short-term on-site missions (between a few days to a couple of weeks).

Responsibilities

The below table summarises the main responsibilities that the Quality Assurance Engineer will have to tackle.

Responsibility	Description
Developing in-house quality procedures, standards, and	<ul style="list-style-type: none"> ▪ Review existing documentation to ensure that current methods are correct, concise, and can be authenticated. ▪ Work with other testing teams to create quality control documentation that will be

specifications	<ul style="list-style-type: none"> followed throughout the company. Design test coverage plans.
Creating and executing end-to-end test plans	<ul style="list-style-type: none"> Create or enhance the existing test plans for the Tools and the Server software products to ensure that all software is performing to the best possible standard prior to release. Execute the test plans and develop effective feedback methods.
Stress, performance, functional, and scalability testing	<ul style="list-style-type: none"> Testing our Server products using stress and scalability testing to ensure that our products can be released on a large scale. Performance and functional testing of both the Server and the Tools products. This includes black box testing and white box testing. Monitoring products post-release.
Maintaining effective communication	<ul style="list-style-type: none"> Daily interactions with software engineers for the products and services in Wales. Recommend improvements or corrections to software engineers throughout the development process. Connect with the team in Belfast as part of a wider test team.

Requirements

The below table provides the list of requirements that the candidates for the position have to meet.

Requirement	Description
Education	<ul style="list-style-type: none"> BSc. / MSc. in an Information Technology discipline.
Skills	<ul style="list-style-type: none"> <u>Mandatory requirements</u> <ul style="list-style-type: none"> Very good understanding of the various software development cycle steps (specification, development, test, release, maintenance). Ability to understand and create test plans/cases from specifications or verbal communications. Ability to deliver concise and considered results. Understand quality analysis methodologies. Knowledge of software development in Java, along with Java testing frameworks such as JUnit and FEST. Familiar with some IDEs (NetBeans, Eclipse, IntelliJ or any other) <u>Optional requirements</u> <ul style="list-style-type: none"> Experience with smart card or embedded systems technologies Familiar with all major OS' – Windows, Linux, and OS X Knowledge of Groovy, Grails, NodeJS. Some understanding of application servers (Apache Tomcat). Familiar with scripting languages (Python, JavaScript or any other) Good knowledge of version control systems (BitBucket, Github, SVN, or any other).
Experience	<ul style="list-style-type: none"> Preferably 2+ years of experience in quality control.
Abilities	<ul style="list-style-type: none"> Excellent analytical skills. Tenacious with a problem-solving approach Organised, rigorous and autonomous with an eye for details Ability to evolve in a small and multi-disciplinary team