Campbell Scientific Limited

JOB DESCRIPTION: Software Tester / Datalogger Programmer

Reporting to: Head of Innovation

Job Role

As an enthusiastic and self-motivated software tester, your primary role will be to take responsibility for ensuring the quality of our software in-line with our software development process. Our software offering consists of cloud and on-premise software solutions, including utility software supporting our hardware devices. You will be the point of reference for software testing and promote best practice when it comes to the testing process. As a secondary function of the role, you will be tasked with the creation and maintenance of the more complex CRBasic programs written for our dataloggers. CRBasic is our proprietary programming language so an eagerness to learn and an ability to adapt, will be key. An ability to put forward your ideas and offer working solutions as part of the team will be invaluable

Main Responsibilities

Note – the following sections use the word "customer" and should be taken to include all channels through which we expose our territory to CSL products and services. This would include; End Users, OEMs, Resellers, Agents, Systems Integrators, other Campbell Scientific Group Companies, and their Subsidiaries.

- Analyse software requirements and write automated and manual tests to support the validity and feasibility under various uses cases.
- Collaborate closely with the software team locally and globally to produce automated and manual test suites across our software products and services as determined by the Head of Innovation.
- Design, Document and Execute all levels of testing, including (but not limited to), unit, UAT (including FAT and SAT), Integration and Regression.
- Design and develop automated scripts when needed.
- Provide effective and detailed feedback to the software team via the Agile process to ensure swift resolution of identified issues and bugs.
- Provide detailed documentation and support of the test process as part of the wider Software Development process.
- Work with stakeholders, both internal and customer based to ensure delivery of quality software and services through effective test suite creation.
- Maintain, through continual review, the test suites used with our software products and services to ensure they remain fit for purpose and meet our quality standards.
- Ensure effective testing across all deployment types, in all target environments.
- Design tests that effectively mitigate risk including edge cases.
- Provide deep analysis of any identified problems giving guidance to the software team.
- Provide input to testing elements of projects as required.
- To write complex datalogger programs and create data visualisations as required.
- Undertake travel away on Company business when required, including overnight stops in the UK and overseas.
- Represent the Company in a friendly, helpful and professional way at all times.
- Make proper and cost-effective use of the Company's equipment and resources.

- Maintain an excellent working knowledge of the Company's products and services as they relate to software.
- When required, perform any other reasonable duties for the benefit of the company consistent with the role.

Person Specification

Technical Skills and Competencies	Essential	Desirable
Demonstrable experience as a Software Tester or similar role	X	
Experience of data analysis and problem solving	X	
Strong verbal and written communication skills with the ability to liaise with a variety of stakeholders	X	
A strong attention to detail	X	
Experience executing automated and manual tests	X	
Experience of writing software tests, including UAT	X	
Outstanding time management with an ability to work on multiple projects simultaneously.	X	
Knowledge using a BASIC style programming language.		X
Experience of Cloud services such as Microsoft Azure / AWS		X
Familiar with Microsoft Test Professional		X
Familiar with the Agile / Scrum process		X
Familiar with JIRA		X
Understanding of measurement theory and practice		X
Experience with Jest, Zephyr, qTest, Mocha, Chai, nUnit or similar		X

Qualifications

Technical Skills and Competencies	Essential	Desirable
A relevant Engineering or Science based qualification to HND or above		X