Role Profile: Test Automation Engineer (Full or Part Time)

Vacancy Description

Amiosec is an exciting and growing UK technology company with innovation, agility and state of the art technology at its core. We work in partnerships with UK government customers and commercial providers to deliver research, technology and products in the communications security sector.

We are looking for a highly competent Test Automation Engineer to join the team and help continue to develop our automation capability, as well as contributing to the overall quality of testing within the business through research & development or technology projects. Candidates must have experience of documenting detailed test scripts and developing high quality automation solutions that will ultimately improve the quality of each of our products.

This position can be either **full or part time**, for part time roles we are open to considering hours that work for you.

Note:-Due to the nature of our work, all candidates must be able to obtain and maintain a UK security clearance.

Typical Activities

Subject Area	Activities
Application Design & Development	• Design and implementation of high-quality tests executed against robust embedded and user-facing software applications in line with the technical competencies listed below.
Automation Development & Maintenance	• Development/modification of new and existing automated tests across multiple project areas in line with the company's test strategy
Technology Research	• Evaluating latest technologies (e.g. hardware processors, languages, operating systems).
Tool Evaluation	• Investigation of emerging frameworks (e.g. test, automation), libraries, build tools etc.
Planning and Estimation	• Task breakdown, sizing, progress reporting; • Development/contribution to technical proposals.
Team Activities	• Involvement in a fully functioning Agile Scrum team, including attending ceremonies and design sessions.

The sections below outline typical responsibilities and competencies that we are looking for. These are wide ranging and represent the full cross section of capabilities that we seek. Prospective candidates should be able to demonstrate ability in a number of the technical competencies (depending on grade/experience) and as a minimum, satisfy the core competencies as listed.

Technical Competencies

Subject Area	Competency
Qualifications	• **ISTQB Certified Tester Foundation Level** (preferred) or **ISTQB Certified Tester**.
Experience/Skills Essentials	• Experience of using primarily Linux systems, but also Windows; • Experience of writing automation tests using Python or Robot Framework (or equivalent); • Experience of continuous integration and Test-Driven Development; • Ability to design and document high quality test scenarios for use in manual and automated testing; • Knowledge of using Issue Trackers and Test Management Tools, such as JIRA & TestRail (or similar); • Experience of testing in multi-disciplinary teams; • Experience of testing products containing embedded software (primary language in use – C); • Understanding of IP networks and protocols; • Awareness of sources of vulnerability in products containing software.
Desirables	• ISTQB Advanced Test Analyst/Technical Test Analyst Certification (or equivalent); • A basic understanding of cryptography; • Familiarity with languages such as C, Python and Bash Scripting.

Core Competencies

Subject Area	Competency
Approach	• Enthusiasm for technology and desire to understand it, work with it and develop innovative test solutions.
Working Style	• Ability to work individually or as a member of a multi-discipline team; • Self-motivated; • Good time management skills; • Ability to prioritise multiple tasks effectively; • Tenacious problem solving skills.
Innovation	• Ability to foster and develop innovative ideas; • Drive improvements in products and company processes.