Job Description

JOB TITLE: Systems Test Engineer	LOCATION: Blandford Forum
RESPONSIBLE TO: Test Manager	JOB DESCRIPTION REVIEWED: September 2020

Role Summary / Objective

As a System Test Engineer you will work as a part of a project team, alongside skilled and experienced individuals who are motivated to deliver and support Telesoft products in the ever changing landscape of the cyber security industry and telecommunications. You will use your technical expertise to ensure that software programs and products meet performance expectations before they're produced and sold. Working with hardware and software systems, you will be testing products that are being developed to ensure products operate properly and are ready for production or distribution.

Part of the role involves creating a strategy for testing specific products; this may include using existing testing tools or creating automated scripts. You will be required to run tests to gather relevant information about how the product performs and use the test data to determine if there are issues that need to be addressed prior to end-user access.

You may be involved in a range of tasks, such as reviewing requirements to identify issues in how the products/applications have been implemented in reference to such requirements being fulfilled correctly. This will include collaborating with other teams to discuss test results to help develop solutions to the issues identified.

During your time as a Systems Test Engineer you will work on a number of new and legacy products delivering a number of disciplines including; Test Strategy Management, Test Plan Definition, Test Execution and Review.

Essential Functions

- Perform FAT, SAT and UAT cycles, in attendance with customers where required.
- Build, release and configuration management of products
- Take lead on project activities within the team to ensure delivery of detailed and complete test cycles, internally and externally facing
- Use programming languages such as python and bash to create test tools and automate tasks
- Accountable for quality of all software released, and test completion reports
- Provide guidance and best practices for both functional and non-functional tests
- Deploy, automate, maintain and manage lab environment systems (both hardware and software) to ensure availability, performance, scalability and security of systems
- Ability to use a wide variety of open source technologies and cloud services to create

- development and testing environments
- Creation of product documentation, including Test Case Specifications from user requirements, Test Plans, Test Strategies and Test Reports.
- Design and create automated test cases to fully confirm functionality of products against requirements and resolutions to identified faults
- Work alongside engineering teams to integrate products, whether it is a new product, new functionality or a resolutions to a problem on an existing product.

Key Competencies
- Critical & Analytical Thinking
- Problem Solving
- Flexible & Adaptable
- Team working
- Excellent Communication Skills
- Strong Organisational Skills

Education, Skills and Experience

Essential:
- Min 2 years Linux experience
- Min 1-2 years Python programming language experience
- Hands on experience of all types of functional and non-functional testing
- Able to create and execute test cycles
- Understanding of continuous integration tools and processes
- Understanding of fundamental networking concepts
- Understanding of common networking protocols
- Understanding of the OSI model
- Must be able to work in a fast paced environment
- Ability to manage multiple priorities
- Ability to use Wireshark to read/analyse packet contents
- Willing to learn and adapt to new technologies

Desirable:
- Automation/configuration management using Ansible, RobotFramework, Kickstart, Selenium and/or Docker
- Knowledge of test automation patterns such as TDD and BDD
- Computing related degree
- ISTQB Software Testing qualification or equivalent
- Cisco CCNA certification or equivalent
- A knowledge of PC and server hardware
- Familiarity with databases - such as SQLite and ElasticSearch
- Familiarity with different types of Cyber Attacks - such as DDoS and Brute Force attacks
- Network based traffic generation experience

Supervisory Responsibilities

This position will be required to provide first class guidance and leadership to junior members of the team such as graduates and apprentices.

Travel

UK and overseas travel will be required to deliver installation services, support and training when required in accordance with business needs.

Work Authorisations / Security Clearance

You must currently hold valid SC clearance or meet the criteria to be eligible to apply for clearance.

Other Duties

This job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.