

SOFTWARE TESTER

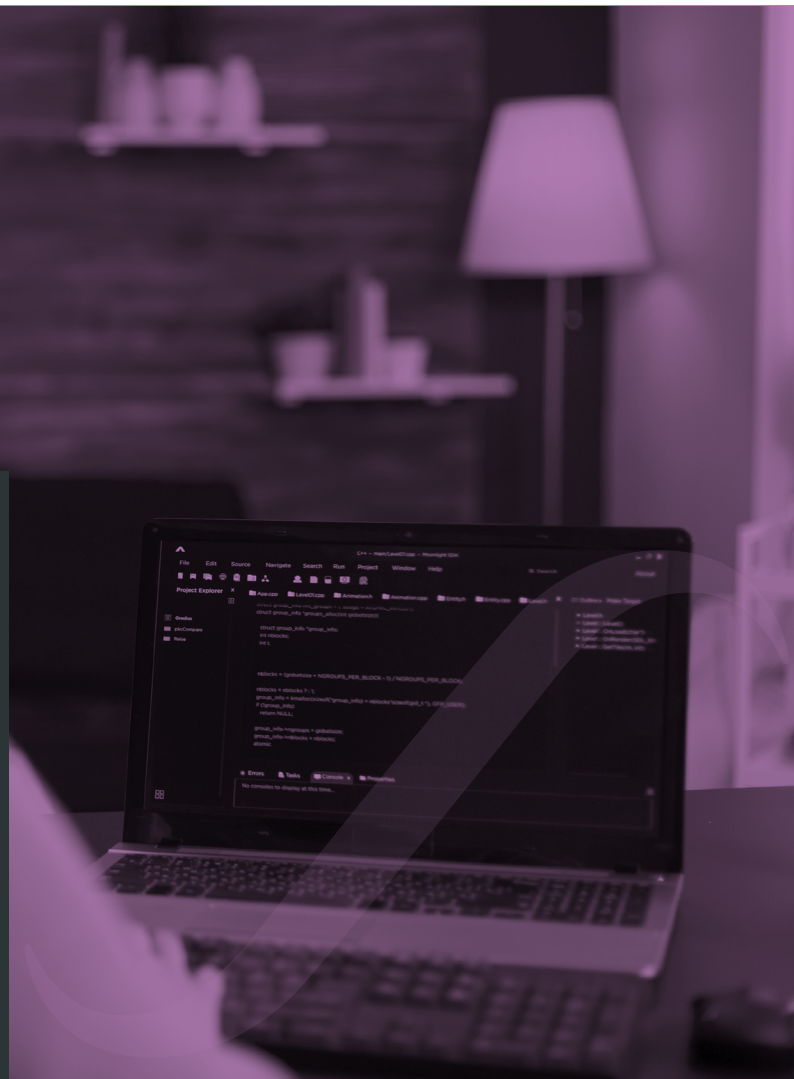
This training programme has been designed for those working in the data, digital and IT sector. Individuals ensure that software operates as intended for software development practices so that they understand the context in which they are operating. They typically are responsible for the quality of software development and deployment with a view to the commercial requirements of the client and their organisational parameters. This is an office based or remote working role with some visits to client's premises.

Is this training programme for your business?

This programme is ideal for new and talented employees who want to learn and progress, or for your existing employees who are looking to retrain or upskill. It is ideal for those looking to develop their skills within the industry.

The programme in brief

- Level 4
- Duration - 18 months
- Blended approach to delivery which could include webinars, face-to-face, Skype, telephone and online learning
- Development of the learner's knowledge, skills and behaviour relevant to the job role
- Level 1 and 2 Functional Skills where appropriate
- End-Point Assessment



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The learner journey

1. 18 months on-programme – This is when the individual will learn the skills, knowledge and behaviours which will support them for their End-Point Assessment. The learner could partake in a combination of activities, such as classroom-based sessions, mentoring, shadowing, bespoke resources and off-site visits in order to support their learning and development. You will be required to spend at least six hours a week on off-the-job training in order to meet the course requirements.

2. Gateway – After the 18 months teaching and learning, you, your training provider and the learner will review the learners journey and decide whether it is the right time for the on-programme assessment.

3. End-Point Assessment – This is when your learner will need to demonstrate they have learnt the required knowledge, skills and behaviours, through an on demand knowledge test, a professional discussion, practical observation and business project.

How your employees will learn

We want to help your employees get the most from their training programme. Therefore we will provide them with the support and guidance they need through a mixture of face-to-face and online learning. Learners will have a dedicated Vocational Skills Coach who is there to guide them through their training programme. As well as their Vocational Skills Coach, learners have unlimited access to learning and support materials online. All of this will help the learners to meet the standards set, resulting in them becoming competent and fully qualified.

We will facilitate the delivery of the learners End-Point Assessment through an approved Assessment Organisation registered on the Register of Apprentice Assessment Organisations.

Take a look at our full [Apprenticeship Offer](#)

What your employees will learn

Knowledge:

The relationship between testing and quality assurance; distinction between the root cause of a defect and its effects; impact of context on the test process; traceability between requirements; psychology of testing; importance of accuracy; test activities and software development; features of software test types; testing approaches; static testing techniques; characteristics of black box, white box and experience-based test techniques; software testing; defect management process; metrics used to monitoring and control of testing; test automation in the software development lifecycle; industry standards; team roles and responsibilities; software architecture; core testing in development lifecycles; typical security vulnerabilities that require penetration testing.

Skills:

Apply static test techniques; black box test techniques; analyse test objectives and requirements; use tools to automate, manage or support test activity; regression strategy including selection of tests; defect tracking tools; testing activities according to industry standard development; software test types; apply and support testing at different test levels appropriate to the software development lifecycle; specific industry standards related to software testing; maintain up to date knowledge of technological developments in the field of software testing; record and interpret test progress and results; design and follow tests to achieve coverage criteria.

Behaviours:

Maintains a productive, professional and secure working environment; works independently and takes responsibility; problem solving mindset; applies logical thinking; uses techniques to identify tests that will demonstrate if software and systems are fit for purpose; works collaboratively with a wide range of people, with a positive attitude to inclusion and diversity; communicates effectively in a wide variety of situations.

For more information visit:
[Institute of Apprenticeships and Technical Skills](#)