

# SOFTWARE DEVELOPER

The primary role of a software developer is to build and test simple, high-quality code across front end, logic and database layers. A developer will typically be working as part of a larger team, in which they will have responsibility for some of the straightforward elements of the overall project. The developer will need to be able to interpret design documentation and specifications. The customer requirements will typically be defined and agreed by more experienced or specialist members of the team, such as a business analyst or technical architect.

## 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 – 18-24 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 behaviours relevant to the job role
- Completion of required Vendor certifications
- Level 2 Functional Skills where appropriate
- End-point assessment



Call: **01388 777 129**

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## The learner journey

**1. 18-24 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. Learners must also partake in 20% off-job training.

**2. Gateway** – After the 18-24 months teaching and learning, you, your training provider and the learner will review the learner's 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 evidence-based work portfolio and a professional discussion.

## 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 Talent Coach who is there to guide them through their training programme. As well as their Talent 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's End-Point Assessment through an approved Assessment Organisation registered on the Register of Apprentice Assessment Organisations.

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## What your employees will learn

### Knowledge:

Understands and operates at all stages of the software development lifecycle; understands the similarities and differences (taking into account positives and negatives of both approaches) between agile and waterfall software development methodologies; understands how teams work effectively to produce software and contributes appropriately; understands and applies software design approaches and patterns and can interpret and implement a given design, compliant with security and maintainability requirements; understands and responds to the business environment and business issues related to software development.

### Skills:

Logic: writes good quality code (logic) with sound syntax in at least one language; user interface: can develop effective user interfaces for at least one channel; data: can effectively link code to the database/data sets; test: can test code and analyse results to correct errors found using V-model manual testing and/or unit testing; problem solving: can apply structured techniques to problem solving, can debug code and can understand the structure of programmes in order to identify and resolve issues; design: can create simple data models and software designs to effectively communicate understanding of the program, following best practices and standards.

### Behaviours:

Logical and creative thinking skills; analytical and problem solving skills; ability to work independently and to take responsibility; can use own initiative; a thorough and organised approach; ability to work with a range of internal and external people; ability to communicate effectively in a variety of situations; ability to maintain a productive, professional and secure working environment.