SOFTWARE DEVELOPER

This training programme has been designed for those working in the IT, software and digital sector. Individuals are the creative minds behind computer programs responsible for developing software solutions across the full software development life cycle from research and development, through continuous improvement, to product or service retirement. They typically work both autonomously and as part of wider teams, typically reporting to a more senior member of their team.

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

Call: **01388 777 129**
Email: **training@learningcurvegroup.co.uk**
Visit: **www.learningcurvegroup.co.uk**

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:

Understands all stages of the software development life; roles and responsibilities within the software development lifecycle; project life-cycle; using different communication methods; software development methodologies; working effectively in teams to produce software; software design approaches and patterns; policies and procedures; algorithms, logic and data structures; uses of relational and non-relational databases; software designs and functional or technical specifications; software testing frameworks and methodologies.

Skills:

Create logical and maintainable code; develop effective user interfaces; link code to data sets; test code and analyse results; conduct a range of test types; identify and create test scenarios; problem solving; create software designs; analyse artefacts; build, manage and deploy code; apply an appropriate software development approach; software designs and functional or technical specifications; testing frameworks and methodologies; follow approaches to continuous integration, version and source control; communicate software solutions; apply algorithms, logic and data structures; interpret and implement a given design whilst remaining compliant with security and maintainability requirements.

Behaviours:

Works independently and takes responsibility; applies logical thinking; maintains a productive, professional and secure working environment; works collaboratively with a wide range of people, with a positive attitude to inclusion and diversity; acts with integrity with respect to ethical, legal and regulatory ensuring the protection of personal data, safety and security; shows initiative and takes responsibility for solving problems; communicates effectively; inquisitive approach to solving the problem; committed to continued professional development.

For more information visit: Institute of Apprenticeships

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