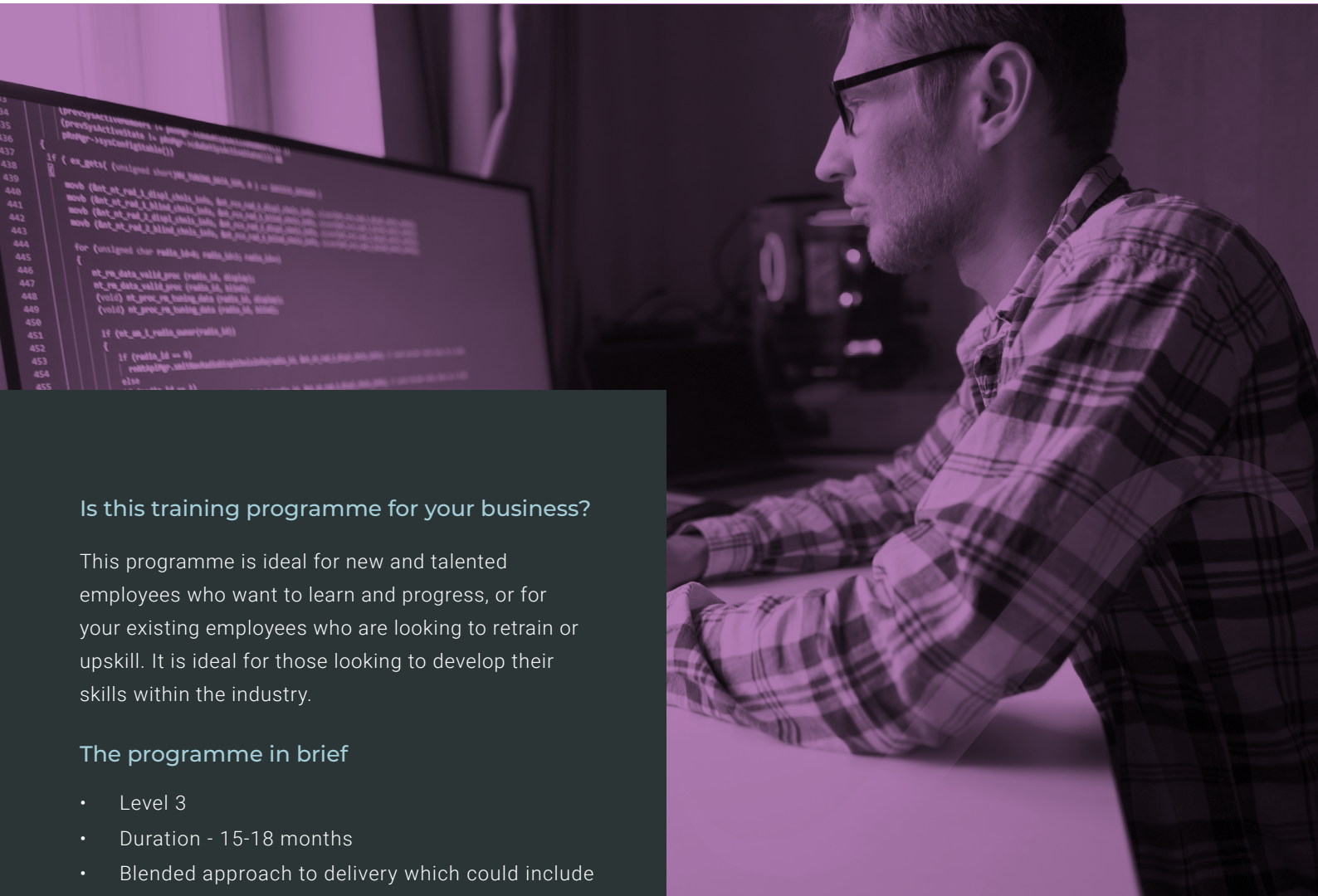
SOFTWARE DEVELOPMENT TECHNICIAN

This training programme has been designed for those working in the data, digital and IT sector. Individuals are the supportive entry level team member helping to create computer programs. They typically build simple software components (web, mobile or desktop applications) to be used by other members of the team as part of larger software development projects or by end users. They will interpret simple design requirements for discrete components of the project under supervision.



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 3
- Duration - 15-18 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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Email: **training@learningcurvegroup.co.uk**
Visit: **www.learningcurvegroup.co.uk**

The learner journey

1. 15-18 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 15-18 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:

Software development life cycle, quality assurance, user acceptance testing; teamwork to produce software; software design; policies and procedures; computing systems; algorithms, logic and data structures; use of databases; software designs; software testing; pattern recognition; breaking down a complex problem; valuing difference and understanding protected characteristics; emerging technology; legal and regulatory requirements; approaches to actions such as sequence, selection and iteration; software project planning; processes and protocols used for internet security; testing for components; digital tools; industry standards; software development approaches.

Skills:

Write simple code for software components; apply secure development principles; user interfaces; connect code and defined data sources; test code; conduct a range of test types; problem solving; creation of software documentation; work within operational requirements; develop user interfaces; build scripts; follow software designs; testing frameworks; integration, version and source control; software solutions; algorithms, logic and data structure; break down complex problems; key performance indicators; implement secure code; design software solutions; work in a shared code base; debugging techniques; maintain procedures and security controls; use collaboration tools and technologies; ensure client data is held securely; use collaboration tools and technologies.

Behaviours:

Use critical thinking skills when undertaking work tasks; committed to continuous professional development; work independently and takes responsibility; maintain a productive, professional and secure working environment; team player and works collaboratively, keeping others informed using effective communication; recognise personal and professional limitations and seeking advice when necessary.

For more information visit:
Institute of Apprenticeships and Technical Skills

LEARNING CURVE GROUP

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