



Why Work as a... Software Development Technician

A solution for your training needs and career progression

ROLE OVERVIEW

Software development technicians are the supportive entry level team member helping to create computer programs. Some assist in developing the applications that allow people to do specific tasks on a computer or another device. Others assist in developing the underlying systems that run the devices or that control networks.

KEY POINTS

- **Level:** 3
- **Duration:** 18 months + End Point Assessment
- **Entry requirements:** You may be required to undertake training in maths and English. See [HERE](#) for more information
- **Career progression:** This apprenticeship provides an ideal entry into the occupation and may support progression into roles such as Data Analyst, DevOps Engineer and Digital Product Manager

KNOWLEDGE REQUIREMENTS

- Fundamentals of all stages of the software development life cycle including development, Quality Assurance, User Acceptance Testing and release
- Different communication methods, how to adapt appropriately to different audiences including collaborative technologies such as discussion threads and document collaboration
- Fundamentals of software design approaches and patterns, including when to identify reusable solutions to commonly occurring problems
- Fundamentals of computing systems including physical, virtual and cloud technologies
- Principles of pattern recognition such as looking for similarities among and within problems

SKILL REQUIREMENTS

- Write simple code for discrete software components following an appropriate logical approach to agreed standards (whether web, mobile or desktop applications) under supervision
- Make simple connections between code and defined data sources as specified
- Apply structured techniques to problem solving, including carry out simple debug of code
- Develop user interfaces as appropriate to the organisations development standards and the type of software development being developed

BEHAVIOUR REQUIREMENTS

- Use critical thinking skills when undertaking work tasks
- Committed to guided Continuous Professional Development
- Work independently and take responsibility within tightly defined parameters
- Maintain a productive, professional and secure working environment

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