SOFTWARE DEVELOPMENT TECHNICIAN

TRAFFORD & STOCKPORT COLLEGE GROUP

LEVEL 3 APPRENTICESHIP STANDARD

COURSE DURATION

18 months

DELIVERY

This apprenticeship is delivered in college one day per week.

OVERVIEW

This apprenticeship is delivered on a day release basis, with the remainder of the time being spent in the workplace. Delivery of the learning sessions can be face to face or remote.

The apprenticeship focuses on developing logical, maintainable software, applying security protocols, and practicing recovery techniques to safeguard project continuity. You will learn to test and debug code, implement design specifications, and report progress, highlighting impediments and metrics.

A software development technician typically works as a junior member of a software development team, to build simple software components (whether 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. You will interpret simple design requirements for discrete components of the project under supervision. The approach will typically include implementing code, building on code that other team members have developed, to produce the required component. As a software development technician, you will also be engaged in testing that the specific component meets its intended functionality.

WHAT'S COVERED

> Development, testing, and deployment
> Coding standards, teamwork, secure development practices
> Converting customer requirements into technical solutions, effectively communicating results, and maintaining detailed project documentation
> Develop logical, maintainable software
> Apply security protocols
> Test and debug code
> Implement design specifications and report progress

TYPICAL JOBS INCLUDE

> Assistant programmer and automated test developer
> Junior application developer
> Junior application support analyst
> Junior developer
> Junior games developer
> Junior mobile app developer
> Junior programmer
> Junior software developer
> Junior web developer

ENTRY REQUIREMENTS

✓ No prior experience in data analysis or handling is required.

✓ If you do not have Level 2 English and maths then you will need to achieve this level prior to taking the End-Point Assessment.

✓ For those with an education, health and care plan or a legacy statement, the apprenticeship's English and maths minimum requirement is Entry Level 3.

✓ A British Sign Language (BSL) qualification is an alternative to the English qualification for those whose primary language is BSL.

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For more information contact the Apprenticeships Team apprenticeships@tscg.ac.uk