

LEVEL 3 // SOFTWARE DEVELOPMENT TECHNICIAN

ROLE OVERVIEW

To achieve this apprenticeship, your apprentice would be expected to build experience and knowledge relevant to the role of a Software Development Technician.

The Apprenticeship Standard specifies the following roles, duties and responsibilities which will form part of your apprentice's Individual Learning Plan.

Suitable Job Titles

- ▶ Junior Programmer
- ▶ Junior Application Support
- ▶ Junior Software Developer
- ▶ Software Development Technician

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Roles, Duties & Responsibilities

- ▶ Follow clearly defined requirements to deliver software development activities and products
- ▶ Identify and report any impediments to progress to supervisors
- ▶ Communicate outcomes from development activities to team members and other stakeholders
- ▶ Take the non-functional requirements of maintenance, performance, and user experience into account along with the functional specification provided
- ▶ Maintain appropriate project documentation throughout software development tasks
- ▶ Undertake unit and integration testing to meet code coverage guidelines, reduce the number of defects, and provide confidence in the quality of software
- ▶ Contribute to testing the end-to-end software solution to ensure high quality output and escalate issues where necessary
- ▶ Accurately report progress against metrics on development activities throughout the stages of the software development lifecycle
- ▶ Write logical and maintainable software solutions in line with given specifications to meet the design requirements and organisational coding standards
- ▶ Apply security principles and practice to the software development task assigned, implement security best practices to ensure software is not vulnerable to malicious attacks
- ▶ Apply project recovery techniques to ensure that the software solution under development is not lost e.g., work with source control tools to provide a record of changes to the source code, share code with the team and ensure code is safely stored for recovery
- ▶ Provide support throughout the development lifecycle, including user acceptance testing and final release to production
- ▶ Provide initial support to classify severity and priority of issues and schedule bug fixes where necessary
- ▶ Practice continuous guided self-learning to keep up to date with technological developments, enhance relevant skills and take responsibility for own professional development
- ▶ Follow instructions to convert customer requirements to technical requirements