

## **Apprenticeship (the qualification you'll get)**

If you're in Edinburgh, you'll complete a [Level 8 Software Developer](#) apprenticeship.

If you're in London, you'll complete a [Level 4 Software Developer](#) apprenticeship.

## **Job Description (the role you'll be doing)**

- Designs, produces, tests and implements working code, working across the lifecycle of the system
- Liaises with Principal Engineers, architects and other key stakeholders to understand how the Platform works and how it supports business objectives
- Improves performance continually through the ongoing evaluation and analysis of metrics
- Writing code in various programming or scripting languages, coding and testing software.
- Creating products within design, time and cost constraints, looking to trouble shoot and fix bugs.
- Balancing user needs with software requirements and collaborating with teams across the Technology function.
- Break software development activities down into logical units of work to enable sequencing and ensure the best possible structuring of activities to deliver a high quality product right first time.
- Report progress throughout the development life-cycle stages to ensure adequate audit trails of key work steps so that the organisation can demonstrate how the product has been created for quality and commercial purposes.
- Identify and Report any impediments to software development activities and propose practical solutions.
- Convert customer requirements into technical requirements, both functional and non-functional to ensure that customers expectations are accurately reflected in the software products developed.
- Identify and select the most appropriate technical solution, taking into consideration coding best practice and appropriate quality standards.
- Communicate software development solutions to a range of internal or external stakeholders to ensure clear understanding of requirements and how they have been met or adjusted.
- Consider security implications of proposed design to ensure that security considerations are built in from inception and throughout the development process.
- Write logical and maintainable software solutions to meet the design and organisational coding standards – software development Lifecycle –Implementation and Build phase.
- Create and maintain appropriate project documentation to explain the development process and resources used.

- Apply appropriate recovery techniques to ensure the software solution being developed is not lost
- Perform testing of the software solution to ensure a high quality output
- Provide Support during software trials and after final release to ensure that customers understand and can correctly Apply the product, and risks are mitigated.
- Apply suitable bug fix, appropriate to the severity and priority of the software development issue identified.
- Practice continuous self learning to keep up to date with technological developments to enhance relevant skills and Take responsibility for own professional development.