



# Software Developer

Level 4  
Apprenticeship

**INTEQUAL**

# About us

At Intequal, we are specialists in the management and provision of top quality IT and digital apprenticeship programmes.

As a technology driven organisation, we have years of experience acquiring and training talent for all types and sizes of organisations. Our apprenticeships provide real-time work and learning experience opportunities in various industry sectors and our programmes include globally recognised professional qualifications from Microsoft and CompTIA.

Working closely with business, we deliver our apprenticeships through interactive instructor-led online learning sessions via Skype. These act as a virtual classroom conducted twice weekly within the workplace with a fully qualified trainer.

## Our blended training delivery enables:

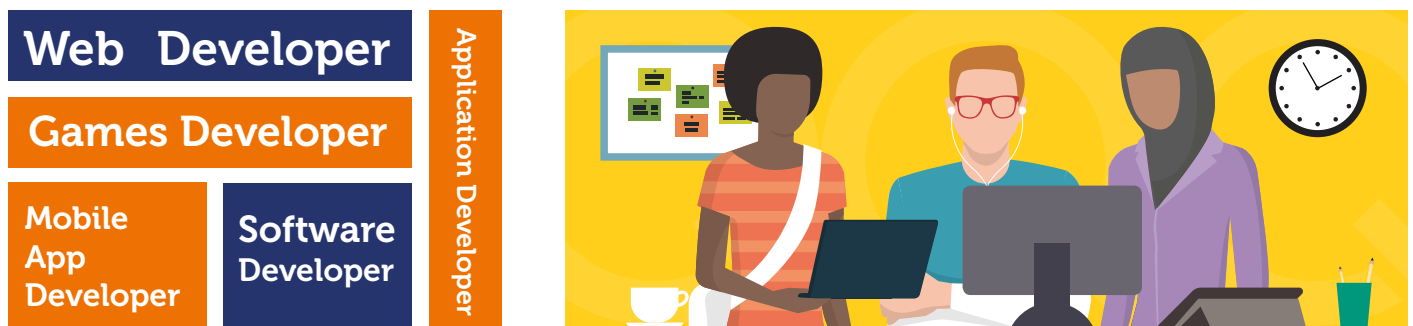
- Increased productivity - workbased study
- Instant application of knowledge to role
- Dedicated Pathway Planner to provide study support
- Employer-led training tailored to business needs

# Software Developer

## Level 4 Apprenticeship Programme Summary

The aim of the programme is to provide the skills and knowledge required to begin a career in IT as a Software Developer or similar roles. The duration of this apprenticeship programme is typically 15-18 months delivered in a blend of online/offline methods whilst staying within the workplace.

## Career Pathways



## Course Structure



# Study modules

NB: Please note all of the following modules have multiple choice Vendor or Awarding Body exam based assessments. You will attend 3 training courses to help you pass the exams for the 2 knowledge modules and the Microsoft Certifications:

- Software Development Methodologies
- Programming in C# (20483B) OR Programming in HTML5 with JavaScript and CSS (20480B)
- Developing Mobile Apps (20357) OR Developing ASP.NET MVC Web Applications (20486B)

## Software Development Methodologies

- demonstrate knowledge and understanding of Software Development Methodologies, its theory and techniques



### Key Topics

- Operate at all stages of the software development lifecycle
- Similarities and differences between agile and waterfall software development methodologies
- How teams work effectively to produce software

OR

## Programming in C#

- teaches skills that are required for developers to create Windows applications using the C# language.



### Key Topics

- Building new data types
- Handling events
- Programming the user interface
- Accessing a database

## Developing Mobile Apps

-teaches developers the programming skills that are required for developers to create applications for Microsoft's mobile platforms.



### Key Topics

- Implement data access and data binding
- Manage user input and custom user interactions
- Implement page navigation and lifecycle events

OR

## Programming in HTML5 with JavaScript and CSS

- provides an introduction to HTML5, CSS3, and JavaScript



### Key Topics

- Style HTML5 pages by using CSS3.
- Create well-structured and easily-maintainable JavaScript code
- Use common HTML5 APIs in interactive Web applications
- Create Web applications that support offline operations

## Developing ASP.NET MVC Web Applications

- will learn to develop advanced ASP.NET MVC applications using .NET Framework 4.5 tools and technologies.



### Key Topics

- The Microsoft Web Technologies stack
- Add Controllers to an MVC Application to manage user interaction
- Write JavaScript code that runs on the client-side and utilises
- Build an MVC application that resists malicious attacks



*"We have been very pleased with the Microsoft apprentice programme. Our Apprentice has been pleased with the remote training classes and the fact he has access to online training when he has the need and time. For us this has saved us money and allowed him to spend more time training here inhouse."*

Please contact our team at Intequal for further information

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