**MCSD App Builder**

Microsoft Certified Solutions Developer

This certification validates that you have the skills needed to build modern mobile and/or web applications and services.

**What is involved?**

Earning an MCSD: App Builder certification qualifies you for a position as an application developer.

Skills: Earn your MCSA certification in either Web Applications or Universal Windows Platform.

**MCSA: Web Applications:**

**Skills:** Possess foundational IT skills. If you feel that you do not possess these skills, consider pursuing one or more Microsoft Technology Associate (MTA) certifications**.**

**Exams:**

**Exam 70-480/Course 20480B (Programming in HTML5 with JavaScript and CSS3):** Candidates for this exam should have one or more years of experience programming the essential business/application logic for a variety of application types and hardware/software platforms using JavaScript. Candidates should also have a minimum of one to two years of experience developing with HTML in an object-oriented, event-driven programming model.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-480.aspx)

**Exam 70-483/Course 20483B (Programming in C#):** Candidates for this exam should have one or more years of experience programming the essential business/application logic for a variety of application types and hardware/software platforms using C#.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-483.aspx)

**Exam 70-486/Course 20486B (Developing ASP.NET MVC Web Applications):** This exam is intended for developers with a minimum of three to five years of experience developing Microsoft ASP.NET web applications, including two or more years developing MVC-based solutions.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-486.aspx)

**Exams:**

**Exam 70-532/Course 20532C (Developing Microsoft Azure Solutions):** This exam is for candidates who are experienced in designing, programming, implementing, automating and monitoring Microsoft Azure solutions. Candidates are also proficient with development tools, techniques and approaches used to build scalable and resilient solutions.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-532.aspx)

**Exam 70-535/Course 20535 (Architecting Microsoft Azure Solutions):** Candidates for this exam define the appropriate cloud native, cloud migration, and hybrid cloud solutions to meet the required functional, operational, and deployment requirements through the solution lifecycle. Candidates should know the features and capabilities of Azure services to be able to identify trade-offs and make decisions for designing public and hybrid cloud solutions. The candidate should understand DevOps technologies, provisioning Azure resources using ARM templates, and designing highly resilient workloads running on Azure.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-535.aspx)

**Exam 70-487/Course 20487B (Developing Microsoft Azure and Web Services):**

This exam is intended for developers with a minimum of three to five years of experience developing Web Services, including one or more years developing Web API and Azure solutions.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-487.aspx)

**Exam 70-488/Course 20488B (Developing Microsoft SharePoint Server 2013 Core Solutions):** Candidates for this exam are responsible for designing custom code for projects that are deployed to or interact with SharePoint environments. The typical candidate usually also has familiarity with SharePoint capabilities and with online services, such as Azure and SharePoint Online, and with developing Office client apps.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-488.aspx)

**Exam 70-489/Course 20489B (Developing Microsoft SharePoint Server 2013 Advanced Solutions):** Candidates for this exam typically are technical leads with at least four years of SharePoint and web development experience. The candidates are responsible for designing custom code for projects that are deployed to or interact with SharePoint environments. Candidates for this exam typically are technical leads with at least four years of SharePoint and web development experience. The candidates are responsible for designing custom code for projects that are deployed to or interact with SharePoint environments. A candidate typically has experience in:

* Selecting an appropriate approach and building customisations in SharePoint.
* Planning and implementing solution packaging, deployment and upgrading.
* Identifying SharePoint data and content structures for customisations.
* Performing diagnostics and debugging.
* Planning and designing applications for scalability and performance.
* Identifying and mitigating performance issues of customisations.
* Understanding authentication and authorisation.
* Working with Windows PowerShell.

The typical candidate usually also has familiarity with SharePoint capabilities and with online services, such as Microsoft Azure and SharePoint Online.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-489.aspx)

**Exam 70-496/MVA Course (Administering Microsoft Visual Studio Team Foundation Server):** Candidates for this exam are senior developers, server administrators or technical product managers who manage software development using Team Foundation Server in an enterprise development environment.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-496.aspx)

**Exam 70-497 (Software Testing with Visual Studio):** Candidates for this exam are software testers. They manage the process of running tests, creating and monitoring bugs, and managing and mitigating issues that a software organization has in controlling test coverage for project requirements. The qualified candidate typically has a strong understanding of the software testing role and modern testing practices, and the ability to implement testing practices by using Microsoft technologies.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-497.aspx)

**Exam 70-498 (Delivering Continuous Value with Visual Studio Application Lifestyle Management):** This exam is designed to provide candidates with an assessment of their knowledge of fundamental server administration concepts. It can also serve as a stepping stone to the Microsoft Certified Technology Specialist exams. It is recommended that candidates become familiar with the concepts and the technologies described here by taking relevant training courses. Candidates are expected to have some hands-on experience with Windows Server, Windows-based networking, Active Directory, account management and system recovery tools and concepts.

[View exam details](https://www.microsoft.com/en-gb/learning/exam-70-498.aspx)