

# Develop Your Career with Microsoft .NET: Programming Languages

After gaining experience with Visual Studio .NET and the .NET Framework in your preferred language, you are ready to explore a technology focus for your career path and skills development needs. Select an entry point that corresponds with your current skills and use the tabs to identify job role opportunities and related .NET training paths.

Languages	<a href="#">Presentation Layer</a>	<a href="#">Components</a>	<a href="#">Data Services</a>	<a href="#">Solutions Design</a>	

## Programming Languages, Visual Studio .NET, and the .NET Framework

Your first step on the road to .NET development is to learn Microsoft Visual Studio® .NET and the Microsoft .NET Framework with the language that is best for you. If you are a new developer, you can start directly with these languages.

### [Microsoft Visual Basic .NET](#)

This version of the popular Visual Basic® programming language combines object-oriented features and implementation with full access to all .NET platform features.

### [Microsoft Visual C# .NET](#)

A programming language for C++ developers that combines the ease of Visual Basic and the power and flexibility of Visual C++® to make developing solutions faster and easier, especially for COM+ and XML Web services.

### [Microsoft Visual C++ .NET](#)

Advances Windows development and enables developers to build new powerful .NET applications or enable their existing applications with the Visual C++® language and .NET.

### [Other Languages that Support the .NET Framework](#)

You can also develop for .NET using a variety of other languages supported by the .NET Framework.

## Presentation Layer

Follow the links below to pages containing information and resources to help you get started on the path to increasingly complex and rewarding developer job opportunities.

### [Web Interface Designer](#)

A Web interface designer designs and implements user interfaces for Web applications using HTML, cascading style sheets (CSS), and Microsoft FrontPage®.

### [Mobile Application Developer](#)

Mobile application developer job roles include developing applications for mobile platforms that may also communicate with remote components and XML Web services.

### [Windows Application Developer](#)

Microsoft Windows® application developer job roles include developing applications for Windows desktop platforms that may also communicate with remote components and XML Web services.

### [Windows Collaboration Developer](#)

Windows collaboration developer job roles include developing workflow and productivity applications, as well as Web parts and services for the Windows desktop.

### [Web Application Developer](#)

Web application developer job roles include developing online applications that communicate with remote components and XML Web services.

## Components

Follow the links below to pages containing information and resources to help you get started on the path to increasingly complex and rewarding developer job opportunities.

### [Portal Component Developer](#)

Portal component developer job roles include developing server components that provide Web parts, Web services, and collaborative workflow capabilities to smart clients and other server components.

### [Data Component Developer](#)

Data component developer job roles include developing server components and XML Web services with data access, update, and persistence capabilities.

### [Business Component Developer](#)

Business component developer job roles include developing scalable and secure server components and XML Web transaction and messaging capabilities.

## Data Services

Follow the links below to pages containing information and resources to help you get started on the path to increasingly complex and rewarding developer job opportunities.

### [Data Workflow Designer](#)

Data workflow designer job roles include creating data workflow designs used in Web and enterprise environments.

### [Database Designer](#)

Database designer job roles include designing, building, and testing to optimize database designs.

### [Data Access Developer](#)

Data access developer job roles include creating applications for accessing and/or providing data throughout an enterprise.

### [Database Developer](#)

Database developer job roles include developing scalable Microsoft SQL Server™ databases to provide secure data storage and access.

### [Data Integration Developer](#)

Data integration developer job roles include creating applications for e-commerce integration and data-compatibility maintenance.

### [OLAP Developer](#)

OLAP developer job roles include developing multidimensional databases and cubes for analytical processing, including scripts for multidimensional analysis.

## Solutions Design

Follow the links below to pages containing information and resources to help you get started on the path to increasingly complex and rewarding developer job opportunities.

### [Solutions Designer and Architect](#)

Solutions Designer and Architect job roles include designing solutions to meet business, user, and technical requirements; making tradeoffs among features, schedule, and resources; and designing solutions architecture.

### [Patterns and practices Guidance](#)

Learn about specific recommendations that illustrate how to design, build, deploy, and operate architecturally sound solutions to challenging business and technical scenarios.