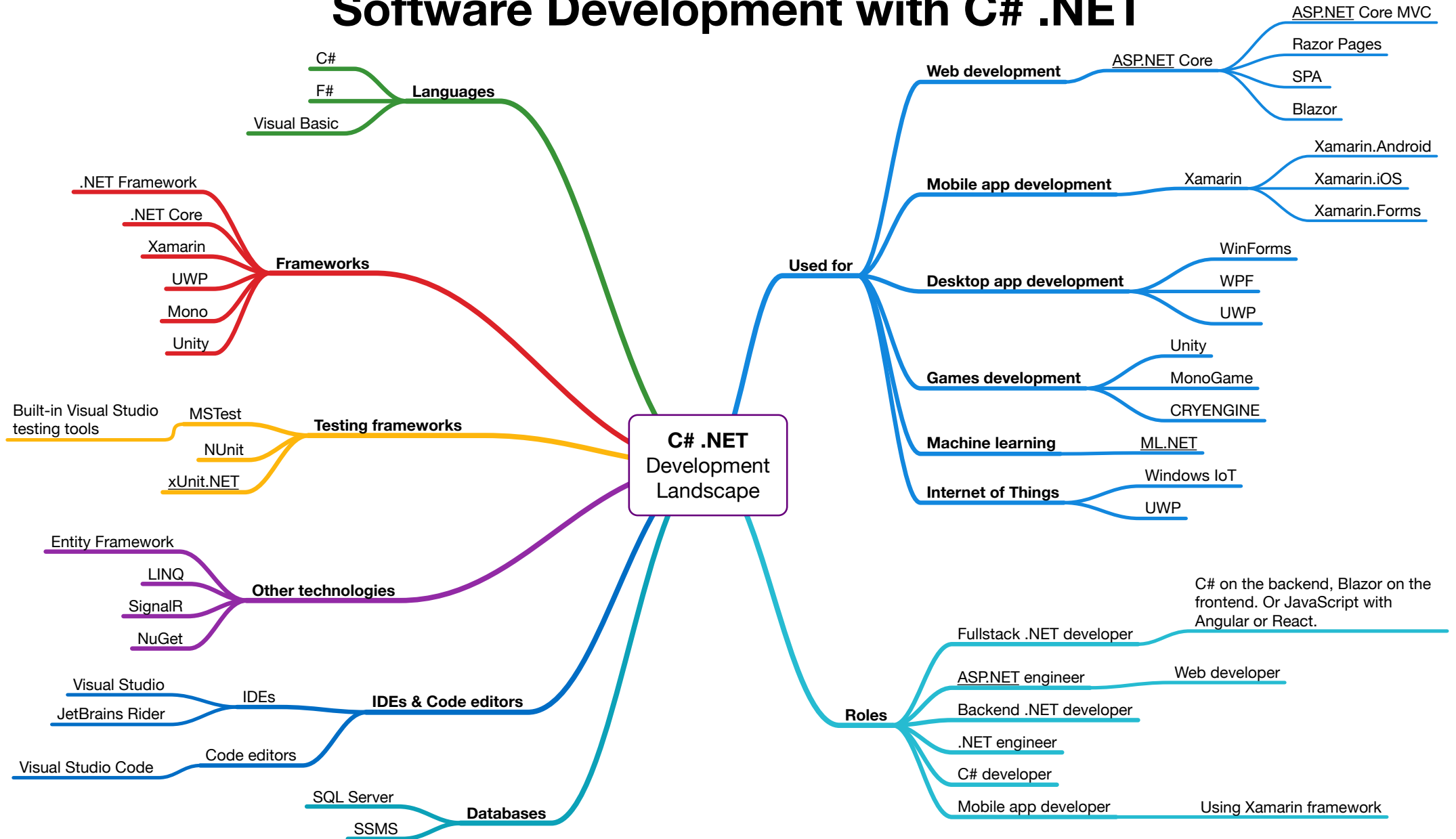


# Software Development with C# .NET



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## Web - ASP.NET Core

- **ASP.NET MVC** - Building Web Pages and Web Services
- **Razor Pages** - Building Web Pages
- **SPA** - Visual Studio has predefined Project templates for Angular and React.js
- **Blazor** - Building interactive Web UIs. Let's you create SPAs, but uses C# instead of JavaScript.

## Mobile - Xamarin

- **Xamarin.Android** - Shared backend logic and Android-specific UI.
- **Xamarin.iOS** - Shared backend logic and iOS-specific UI.
- **Xamarin.Forms** - Shared backend logic and UI.

## Desktop

- **Winforms** - UI framework, for building desktop apps, released in 2002.
- **WPF** - UI framework, for building desktop apps, released in 2006 successor to Winforms.
- **UWP** - Not just a UI framework for building desktop apps (released in 2015). It is a whole new platform for Microsoft OS Devices.

## Games

- **Unity** - Game development platform for building 2D and 3D games. Supports C#.
- **MonoGame** - Open-source game development platform. Supports C# and F#.
- **CRYENGINE** - Game development platform. Supports C#.

## Machine Learning

- **ML.NET** - Machine learning framework. Enables to create custom ML models using C# or F# without having to leave the .NET ecosystem.

## Internet of Things

- **Windows IoT** - Version of Windows that can run on microcomputers like Raspberry Pi.

## Languages

- **C#** - Primary language of .NET
- **F#** - Functional language
- **Visual Basic** - Alternative language for programmers who prefer VB syntax.

## Frameworks / .NET implementations

- **.NET Framework** - Web, Desktop, Services (old framework)
- **.NET Core** - Web, Desktop, Services (new framework)
- **Xamarin** - Mobile (Android, iOS)
- **Unity** - Games
- **Mono** - Cross-platform (.NET Framework counterpart)
- **UWP** - Universal Windows Platform, Microsoft OS devices (Windows, Windows IoT, Windows Phone, Xbox, HoloLens, Surface Hub)

## Other technologies

- **Entity Framework** - Object Relational Mapper (ORM). Maps a domain model to database objects.
- **LINQ** - Language-Integrated Query. Enables developers to work with data and data collections from different sources in a uniform manner.
- **SignalR** - Library for .NET developers that simplifies the process of adding real-time web functionality to applications.
- **NuGet** - The package manager for .NET.

## IDE / Code editor

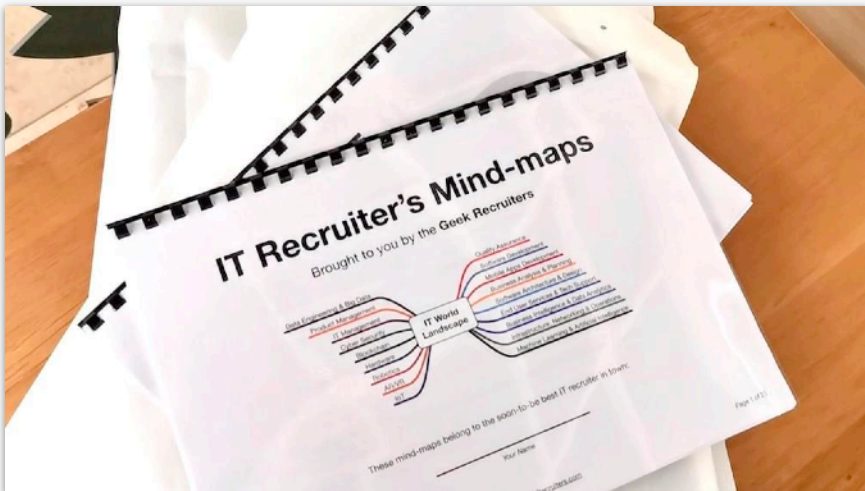
- **Visual Studio** - Full-featured Integrated Development Environment (IDE) that you can use to edit, debug, and build code, and then publish an app.
- **Visual Studio Code** - Code editor with support for development operations like debugging, task running, and version control.

## Database

- **MS SQL Server** - Database server.
- **SSMS - SQL Server Management Studio** - GUI Administration Tool for the Database server

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Alexander Laurin  
1 review



Updated Nov 8, 2019

**Geekruiter has changed my perception and given me confidence.**

Geekruiter has been an amazing help. I am an experienced sales recruiter who has wanted to get into IT, but have found that the roles and responsibilities of technical professionals daunting and over-whelming. Since I have become a member of this community (and taken the courses), I have learned a great deal in an incredibly short amount of time. Now I read IT resumes with fascination and when I speak to technical people, I am not afraid and only interested.

Jakub  
1 review



Oct 30, 2019

**The training from Geekruiter about...**

The training from Geekruiter about various technologies in IT was for me as an IT Recruiter very helpful. I think that gaining general knowledge about the most used technologies in IT is the best way to understand the job descriptions and experience of IT specialists. Stated technologies in the resumes and profiles of candidates are not just words without meaning anymore.

Oleg Voskryvko  
1 review



Sep 8, 2019

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The Geekruiter courses are a 100% must-have for those who start their careers in recruiting. Although, even if you already have recruiting experience, you will be surprised by how much useful information you can find here!

Yuyie Junk  
1 review



Oct 29, 2019

**The courses are very useful for IT...**

The courses are very useful for IT recruiters who have a non-IT background. Michal (the instructor) explains complex technical terms into easy-to-digest concepts. I have enrolled in 2 courses already: Tech fundamental and IT recruitment master class, I, so far, have a better experience in attracting and talking to Developers. Recently I adopted a new way of writing Job Ads as Michal suggested, I got an amazing result!

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