**Lesson #1**

A Developer's Guide To Docker (Part 2): The Dockerfile

https://dzone.com/articles/a-developers-guide-to-docker-the-dockerfile?utm\_medium=feed&utm\_source=feedpress.me&utm\_campaign=Feed:%20dzone%2Fcloud

Yes you can! develop on AWS using .NET

https://helpercode.com/2018/05/08/yes-you-can-develop-on-aws-using-net/

Design by Contract: Part Two

https://www.leadingagile.com/2018/05/design-by-contract-part-two/?

utm\_source=feedburner&utm\_medium=feed&utm\_campaign=Feed%3A+LeadingAgile+%28LeadingAgile%29

Day 1 Highlights from Microsoft Build 2018

https://www.telerik.com/blogs/day-1-highlights-from-microsoft-build-2018

Visual Studio Live Share - An extension to collaboratively work in real time

https://www.kunal-chowdhury.com/2018/05/visual-studio-live-share.html

SOLID Design Principles Explained � Dependency Inversion Principle with Code Examples

https://stackify.com/dependency-inversion-principle/

C# Generics � Video and Resources

https://iamtimcorey.com/generics/

Simplifying blockchain app development with Azure Blockchain Workbench

https://azure.microsoft.com/en-us/blog/simplifying-blockchain-app-development-with-azure-blockchain-workbench-2/

.NET Core 3 and Support for Windows Desktop Applications

https://blogs.msdn.microsoft.com/dotnet/2018/05/07/net-core-3-and-support-for-windows-desktop-applications/

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**Lesson #2**

Cosmos DB or SQL Server? Do you need Kubernetes? VM or App Service? A guide to Azure worth checking out

https://www.itwriting.com/blog/10675-cosmos-db-or-sql-server-do-you-need-kubernetes-vm-or-app-service-a-guide-to-azure-worth-checking-out.html

Save 45% on Developer Reference titles

https://blogs.msdn.microsoft.com/microsoft\_press/2018/05/10/save-45-on-developer-reference-titles/

C# Notes for Professionals book

https://goalkicker.com/CSharpBook/

New Free C# 7.1: What's New Quick Start eBook

http://dontcodetired.com/blog/post/New-Free-C-71-Whats-New-Quick-Start-eBook

How I First Used Domain-Driven Design

https://hackernoon.com/how-i-first-used-domain-driven-design-652814794567

**--------------------------------------Lesson #4**

Introducing Visual Studio IntelliCode

https://blogs.msdn.microsoft.com/visualstudio/2018/05/07/introducing-visual-studio-intellicode/?utm\_source=csharpdigest&utm\_medium=rss&utm\_campaign=featured

Should I say �I Don�t Know� to an Interviewer?

https://iamtimcorey.com/ask-tim-i-dont-know/

Research: Do People Really Get Promoted to Their Level of Incompetence?

https://hbr.org/2018/03/research-do-people-really-get-promoted-to-their-level-of-incompetence

Why Senior Devs Write Dumb Code and How to Spot a Junior From A Mile Away

https://hackernoon.com/why-senior-devs-write-dumb-code-and-how-to-spot-a-junior-from-a-mile-away-27fa263b101a

Where Should I Validate Data in my Application?

https://iamtimcorey.com/ask-tim-data-validation/

WebAssembly with Blazor

https://www.codeproject.com/Articles/1241210/WebAssembly-with-Blazor

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**Lesson #5**

C# 7.x Features

https://csharp.christiannagel.com/2018/05/16/csharp7-2/

The 10 best fonts for programming: A guide

https://www.developer-tech.com/news/2018/may/16/10-best-fonts-programming/

.NET Framework May 2018 Preview of Quality Rollup

https://blogs.msdn.microsoft.com/dotnet/2018/05/15/net-framework-may-2018-preview-of-quality-rollup/

EF Core: Logging Lazy Loading

https://codeopinion.com/entity-framework-core-logging-lazy-loading/

First Look at Visual Studio 2017 15.8 with ARM64 Support

https://www.infoq.com/news/2018/05/vs2017-15.8-preview1?utm\_campaign=infoq\_content&utm\_source=infoq&utm\_medium=feed&utm\_term=global

Continuous Integration Tools for Mobile vs Web. What�s the Difference?

https://code-maze.com/ci-tools-for-mobile-apps/

Refactoring On Purpose

https://www.leadingagile.com/2018/05/refactoring-on-purpose/?utm\_source=feedburner&utm\_medium=feed&utm\_campaign=Feed%3A+LeadingAgile+%28LeadingAgile%29

**--------------------------------------**

**Lesson #6**

Complete C# Tutorial With Easy Programming Example

https://www.completecsharptutorial.com/basic/

C# Basic Tutorial

https://www.tutorialspoint.com/csharp/index.htm

C# Tutorial

http://www.tutorialsteacher.com/csharp/csharp-tutorials

New Features in C# 7.3

https://www.infoq.com/news/2018/05/CSharp-7.3?utm\_campaign=infoq\_content&utm\_source=infoq&utm\_medium=feed&utm\_term=global

Full Cycle Developers at Netflix?�?Operate What You Build

https://medium.com/netflix-techblog/full-cycle-developers-at-netflix-a08c31f83249

16 New Code Analysis, Testing and Debugging Tools For Visual Studio 2017

https://visualstudiomagazine.com/articles/2018/05/01/vs-analysis-tools.aspx

#MLNET � Understanding the step by step of Hello World

https://elbruno.com/2018/05/15/mlnet-understanding-the-step-by-step-of-hello-world/

**--------------------------------------**

**Lesson #7**

The Free C# Virtual Workshop � from Basics to Experts

http://jeffreyfritz.com/2018/05/the-free-c-virtual-workshop-from-basics-to-experts/

Visual Studio 2017 version 15.7 Update 2 (aka. 15.7.2) is now available

https://www.kunal-chowdhury.com/2018/05/download-visual-studio-2017-v15.7.2.html

Separation of Concerns, Explained

https://blog.ndepend.com/separation-of-concerns-explained/

Announcing Discover .NET

https://daveaglick.com/posts/announcing-discoverdotnet

Discover what's new in technology at Microsoft Build Live

https://developer.microsoft.com/en-us/events/build/content

Finding and Fixing Problems in Your Application

https://iamtimcorey.com/debugging/

New Features in C# 7.3

https://www.infoq.com/news/2018/05/CSharp-7.3?utm\_campaign=infoq\_content&utm\_source=infoq&utm\_medium=feed&utm\_term=global

Build 2018: The Future of C#

https://www.infoq.com/news/2018/05/CSharp-8-Future?utm\_campaign=infoq\_content&utm\_source=infoq&utm\_medium=feed&utm\_term=global

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**Lesson #8**

Visual Studio Toolbox: Hot Extensions

https://blogs.msdn.microsoft.com/robertgreen/2018/05/24/visual-studio-toolbox-hot-extensions/

Snapshots on Exceptions while debugging with IntelliTrace

https://blogs.msdn.microsoft.com/visualstudio/2018/05/24/snapshots-on-exceptions-while-debugging-with-intellitrace/

**--------------------------------------**

**Lesson #9**

Visual Studio Roadmap

https://docs.microsoft.com/en-us/visualstudio/productinfo/vs2018-roadmap

Feature Tests vs. Integration Tests vs. Unit Tests

https://mixandgo.com/blog/feature-tests-vs-integration-tests-vs-unit-tests-in-ruby-and-rails

Things you should never say when interviewing for a developer role

https://hackernoon.com/things-you-should-never-say-when-interviewing-for-a-developer-role-138609321d7b

beginor/DesignPatterns

https://github.com/beginor/DesignPatterns

5 Azure learning resources references to follow

https://dailydotnettips.com/azure-learning-resources/

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**Lesson #10**

Announcing .NET Core 2.1

https://blogs.msdn.microsoft.com/dotnet/2018/05/30/announcing-net-core-2-1/

Is XML Dying?

https://blog.submain.com/json-and-xml-dying/?utm\_source=feedburner&utm\_medium=feed&utm\_campaign=Feed%3A+SubMain+%28SubMain+News%29

Securing an Azure App Service Website under SSL in minutes with Let's Encrypt

https://www.hanselman.com/blog/SecuringAnAzureAppServiceWebsiteUnderSSLInMinutesWithLetsEncrypt.aspx

When logging causes security incidents; What we learned from GitHub and Twitter

https://scotthelme.co.uk/when-logging-causes-security-incidents-what-we-learned-from-github-and-twitter/

Maintainable Architecture � Introduction

https://blog.stylingandroid.com/maintainable-architecture-introduction/?utm\_source=feedburner&utm\_medium=feed&utm\_campaign=Feed%3A+StylingAndroid+%28Styling+Android%29

Encrypting String Constants with Dotfuscator

https://www.preemptive.com/blog/article/1004-encrypting-string-constants-with-dotfuscator/107-support-corner

C# 8.0 � New Planned Features

http://www.dotnetcurry.com/csharp/1440/csharp-8-new-features

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**Lesson #11**

Test 2 grades are on Blackboard

Visual Studio 2017 version 15.8 Preview 2

https://blogs.msdn.microsoft.com/visualstudio/2018/05/31/visual-studio-2017-version-15-8-preview-2/

Hello WebAssembly

https://medium.com/@caspervonb/hello-webassembly-882bba5c9fb7

Blazor is an experimental .NET web framework using C#/Razor and HTML that runs in the browser with WebAssembly

https://github.com/aspnet/Blazor

Do We Really Care About Privacy?

https://www.red-gate.com/simple-talk/opinion/editorials/do-we-really-care-about-privacy/

The Front-End Tooling Survey 2018 - Results

https://ashleynolan.co.uk/blog/frontend-tooling-survey-2018-results

Bootstrap

https://getbootstrap.com/

Sass Basics

https://sass-lang.com/guide

Foundation

https://foundation.zurb.com/

BizSpark

https://startups.microsoft.com/en-us/

Microsoft Visual Studio 2017 version 15.7.3

https://www.kunal-chowdhury.com/2018/06/download-visual-studio-2017-v15.7.3.html

**--------------------------------------**

**Lesson #12**

Microsoft confirms GitHub acquisition: Developers' viewpoints

https://www.developer-tech.com/news/2018/jun/04/microsoft-github-acquisition-views-developers/

.Net Framework - Tuple Trouble: Why C# Tuples Get to Break the Guidelines

https://msdn.microsoft.com/en-us/magazine/mt846725?f=255&MSPPError=-2147217396

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**Lesson #13**

Assignment 1 marks are on BlackBoard

Microsoft Announces JavaScript Support for Excel Custom Functions

https://www.infoq.com/news/2018/06/microsoft-excel-js-functions?utm\_campaign=infoq\_content&utm\_source=infoq&utm\_medium=feed&utm\_term=global

Architecture styles

https://docs.microsoft.com/en-us/azure/architecture/guide/architecture-styles/

Microsoft announces Visual Studio 2019, but pleasing developers is a tough challenge

https://www.itwriting.com/blog/10778-microsoft-announces-visual-studio-2019-but-pleasing-developers-is-a-touch-challenge.html

Announcing .NET Framework 4.8 Early Access build 3621!

https://blogs.msdn.microsoft.com/dotnet/2018/06/06/announcing-net-framework-4-8-early-access-build-3621/

What�s Next for Visual Studio

https://blogs.msdn.microsoft.com/visualstudio/2018/06/06/whats-next-for-visual-studio/

Why Microsoft Is Willing to Pay So Much for GitHub

https://hbr.org/2018/06/why-microsoft-is-willing-to-pay-so-much-for-github

Use NDepend to Measure How SOLID Your Code Is

https://blog.ndepend.com/solid-code/

Less-Common C# Keywords - A Guided Tour

https://exceptionnotfound.net/less-common-c-sharp-keywords-a-guided-tour/

How I Increased My Productivity With Visual Studio Code

https://dev.to/mokkapps/how-i-increased-my-productivity-with-visual-studio-code-gfo?utm\_source=t.co&utm\_medium=referral

**--------------------------------------**

**Lesson #14**

Understanding the Varieties of .NET

https://www.infoq.com/articles/varieties-dotnet?utm\_campaign=infoq\_content&utm\_source=infoq&utm\_medium=feed&utm\_term=global

How to use Visual Studio Code

https://flaviocopes.com/vscode/

Testing Software with Artificial Intelligence

https://www.infoq.com/news/2018/06/testing-artificial-intelligence?utm\_campaign=infoq\_content&utm\_source=infoq&utm\_medium=feed&utm\_term=global

Visual Studio Toolbox: The Present and Not-too-distant Future of Visual Studio Part 2

https://blogs.msdn.microsoft.com/robertgreen/2018/06/07/visual-studio-toolbox-the-present-and-not-too-distant-future-of-visual-studio-part-2/

Managing Teams and Organizations in GitHub

https://stackify.com/managing-teams-github/

**--------------------------------------**

**Lesson #15**

Maintainable Architecture � Dependency Injection

https://blog.stylingandroid.com/maintainable-architecture-dependency-injection/?utm\_source=feedburner&utm\_medium=feed&utm\_campaign=Feed%3A+StylingAndroid+%28Styling+Android%29

Asynchronous Programming in .NET � Benefits and Tradeoffs of Using ValueTask

https://rubikscode.net/2018/06/11/asynchronous-programming-in-net-benefits-and-tradeoffs-of-using-valuetask/

Microsoft + GitHub = Empowering Developers

https://blogs.microsoft.com/blog/2018/06/04/microsoft-github-empowering-developers/

Generate TypeScript Interfaces from POCO Classes

https://www.codeproject.com/Articles/1247700/Generate-TypeScript-Interfaces-from-POCO-Classes

No Virtual Keyword In Java And No Final Keyword In C# Explained

https://kudchikarsk.github.io/no-virtual-keyword-in-java-and-no-final-keyword-in-csharp-explained?utm\_source=csharpdigest&utm\_medium=rss&utm\_campaign=featured

**--------------------------------------**

**Lesson #16**

How to use C# Interactive window in Visual Studio

http://geekswithblogs.net/anirugu/archive/2018/06/13/how-to-use-c-interactive-window-in-visual-studio.aspx?utm\_source=feedburner&utm\_medium=feed&utm\_campaign=Feed%3A+geekswithblogs+%28Geekswithblogs.net%29

C# Enum: Definition, Examples, Best Practices, and Pitfalls

https://blog.submain.com/c-enum-definition-examples-best-practices-and-pitfalls/?utm\_source=feedburner&utm\_medium=feed&utm\_campaign=Feed%3A+SubMain+%28SubMain+News%29

Blazor it�s here: how to write C# in the browser! https://www.productivecsharp.com/2018/06/blazor-how-to-write-csharp-in-the-browser/

Who is Blazor for Exactly?

https://wildermuth.com/2018/06/13/Who-is-Blazor-for-Exactly

Windows server heads toward end of line

http://www.lhotka.net/weblog/WindowsServerHeadsTowardEndOfLine.aspx

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