

# FULLSTACK DEVELOPMENT BOOTCAMP

## Backend Development

Trainer: Elton Cassas Aguayo



# Course Agenda

.NET Ecosystem

C# Fundamentals

Object Oriented Programming with C#

RESTful APIs

Data Structures with C#

LINQ

Asynchronous Programming

SOLID Principles

Overview of Design Patterns

Overview of Software architecture patterns

SQL Databases

NoSQL Databases

Unit testing

Message Queues

Clean Code

Some common 3rd party libraries

Azure

# Useful Resources

## Ebooks

[C# Notes for professionals](#)

[C# features Succinctly](#)

[C# 10 and .NET 6 - Modern Cross-Platform Development 6th Edition](#)

[C# Language Specification](#)

## Documentation

[Microsoft docs](#)

## Playlists

[C# for beginners](#)

[Introduction to Visual Studio](#)

[C# 201](#)

[Foundational C# with Microsoft](#)

# Useful Resources

## Channels

[NDC Conferences](#)

[Code Wrinkles](#)

[Dotnet](#)

[Microsoft Developer](#)

[Microsoft Azure](#)

## Content creators

[Nick Chapsas](#)

[Tim Corey](#)

[Hector de León](#)

[Milan Jovanovic](#)

[Derek Comartin](#)

[Gui Ferreira](#)