



Todor Todorov

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My precious **top five** .NET libraries & frameworks

Todor Todorov

- ⌘ software developer;
- ⌘ clean code fanatic;
- ⌘ devops evangelist;
- ⌘ speaker;
- ⌘ father of 3 boys;
- ⌘ karaoke enthusiast;



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📖 README

📄 MIT license



An Awesome App

🔄 BUILD

PASSING

🔄 BUILD

PASSING

This is my **awesome** app, which is not doing much, aside from being awesome.

The purpose of this repository is to showcase some of my favorite frameworks libraries for some of my sessions.

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ПОШУКЕ

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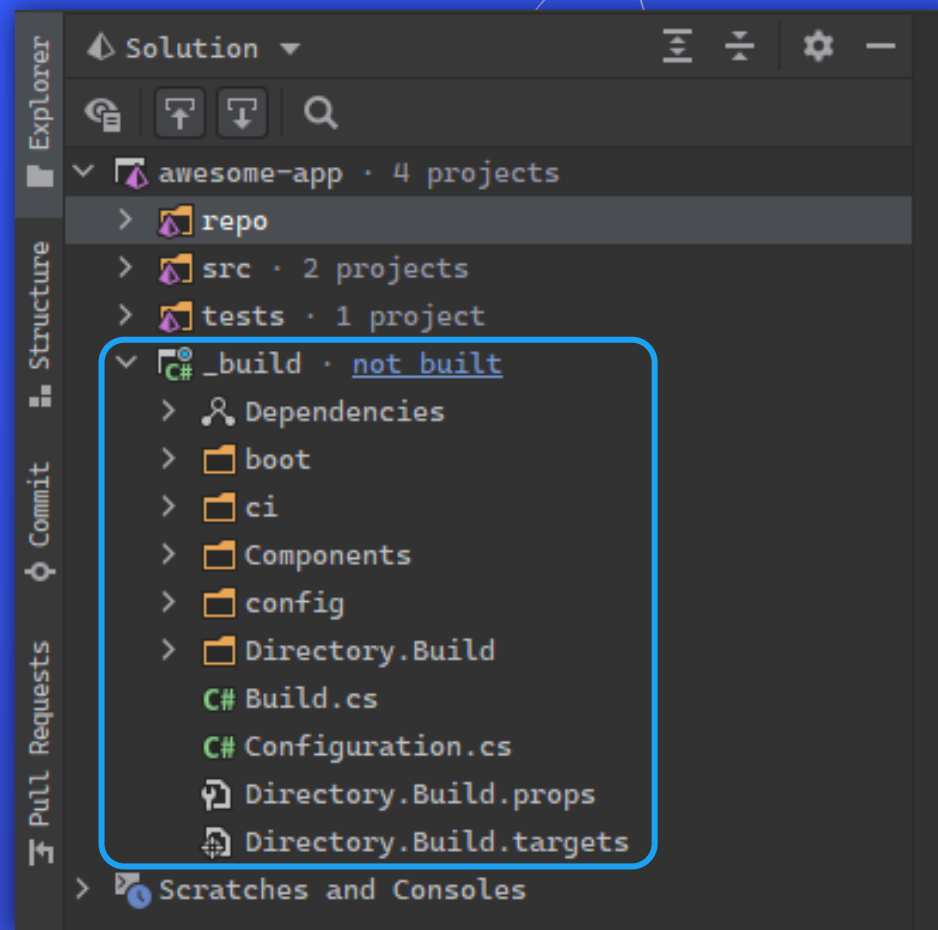
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What is it?



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1. The **cross-platform build automation** solution for .NET with C# DSL.
2. An approach to **embrace existing IDE tooling**.
3. A state where **everyone in a team** is able to **manage and change** the build.

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DEMO





Spectre.Console

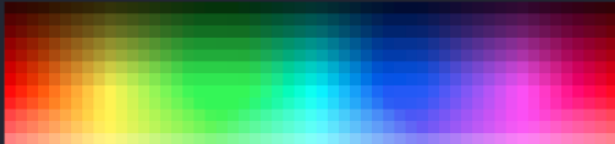
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What is it?

Spectre.Console Features

Colors ✓ 2-bit color
✓ 3-bit color
✓ 4-bit color
✓ 8-bit color
✓ Truecolor (16.7 million)
✓ Automatic color conversion



OS Windows macOS Linux

Styles All ansi styles: bold, dim, italic, underline, strikethrough, reverse, and even blink.

Text Word wrap text. Justify left, center or right.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque in metus sed sapien ultricies pretium a at justo. Maecenas luctus velit et auctor maximus.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque in metus sed sapien ultricies pretium a at justo. Maecenas luctus velit et auctor maximus.

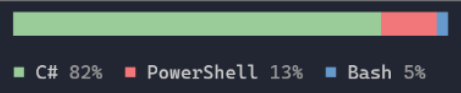
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque in metus sed sapien ultricies pretium a at justo. Maecenas luctus velit et auctor maximus.

Markup Spectre.Console supports a simple bbcode like markup for color, style, and emoji! 🍌 🍌 🍌 🍌

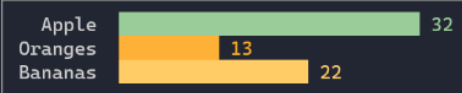
Tables and Trees

Foo	Bar
Baz	<p>Overview</p> <p>Files</p> <ul style="list-style-type: none">src<ul style="list-style-type: none">foo<ul style="list-style-type: none">bar.csbaz<ul style="list-style-type: none">qux<ul style="list-style-type: none">corgi.txtwaldo.xml <p>3 Files, 225 KiB</p>
Qux	Corgi

Charts



C#	82%
PowerShell	13%
Bash	5%



Apple	32
Oranges	13
Bananas	22

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DEMO





fluent ASSERTIONS

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Партньори: **cobuilder**



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What is it?

```
var recipe = new RecipeBuilder()
    .With(
        new IngredientBuilder()
            .For("Milk")
            .WithQuantity(200, Unit.Milliliters))
    .Build();

var action = () => recipe.AddIngredient("Milk", 100, Unit.Spoon);

action
    .Should().Throw<RuleViolationException>()
    .WithMessage("*change the unit of an existing ingredient*")
    .And.Violations.Should().Contain(BusinessRule.CannotChangeIngredientQuantity);
```

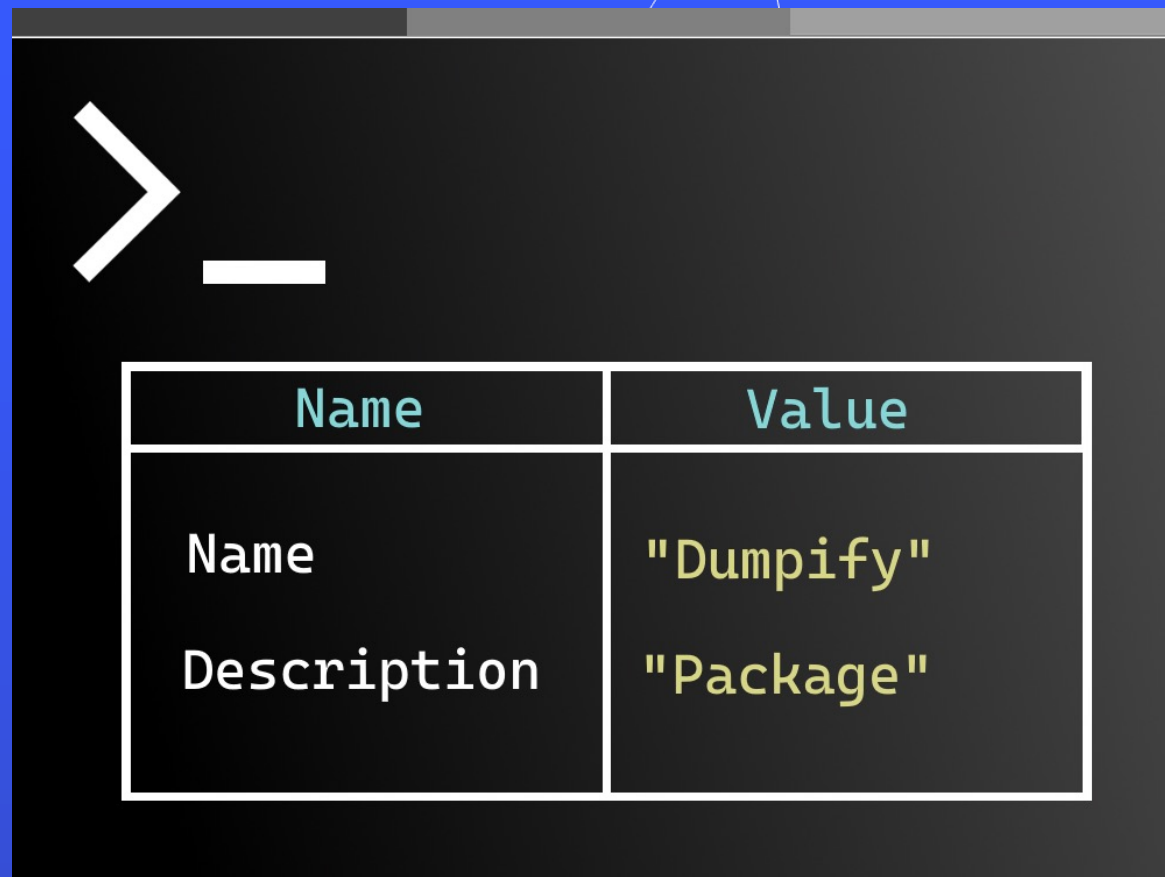
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DEMO





Dumpify



A terminal window with a dark background and a white prompt character '>'. Below the prompt is a table with two columns: 'Name' and 'Value'. The table contains two rows of data.

Name	Value
Name	"Dumpify"
Description	"Package"

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What is it?

Person																			
Name	Value																		
FirstName	"Todor"																		
LastName	"Todorov"																		
Contact	ContactInfo																		
<table border="1"><thead><tr><th>Name</th><th>Value</th></tr></thead><tbody><tr><td>HomeAddress</td><td>Address</td></tr><tr><td colspan="2"><table border="1"><thead><tr><th>Name</th><th>Value</th></tr></thead><tbody><tr><td>Street</td><td>"1 Nedelya Sq."</td></tr><tr><td>City</td><td>"Sofia"</td></tr><tr><td>ZipCode</td><td>"1000"</td></tr><tr><td>Resident</td><td>[Circular Reference #Person]</td></tr></tbody></table></td></tr><tr><td>Email</td><td>"spam@acme.corp"</td></tr></tbody></table>		Name	Value	HomeAddress	Address	<table border="1"><thead><tr><th>Name</th><th>Value</th></tr></thead><tbody><tr><td>Street</td><td>"1 Nedelya Sq."</td></tr><tr><td>City</td><td>"Sofia"</td></tr><tr><td>ZipCode</td><td>"1000"</td></tr><tr><td>Resident</td><td>[Circular Reference #Person]</td></tr></tbody></table>		Name	Value	Street	"1 Nedelya Sq."	City	"Sofia"	ZipCode	"1000"	Resident	[Circular Reference #Person]	Email	"spam@acme.corp"
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City	"Sofia"																		
ZipCode	"1000"																		
Resident	[Circular Reference #Person]																		
Email	"spam@acme.corp"																		
Occupation	Job																		
<table border="1"><thead><tr><th>Name</th><th>Value</th></tr></thead><tbody><tr><td>Title</td><td>"Software Wizard"</td></tr></tbody></table>		Name	Value	Title	"Software Wizard"														
Name	Value																		
Title	"Software Wizard"																		

Dump of a `Person` object

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DEMO





C# REPL

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What is it?

```
C# REPL
Welcome to the C# REPL (Read Eval Print Loop)!
Type C# expressions and statements at the prompt and press Enter to evaluate them.
Type help to learn more, and type exit to quit.

> Console.WriteLine("Hello World!")
Hello World!

> if (new Random().NextDouble() > 0.5)
{
    Console.WriteLine("Lucky!");
}
Lucky!

> #r "nuget:Newtonsoft.Json"
Package 'Newtonsoft.Json.13.0.1' was successfully installed.

> using Newtonsoft.Json;

> JsonConvert.S
    SerializeXmlNode
> SerializeObject
    SerializeXmlNode
    False
    Equals
    ToString
    DefaultSettings
    ReferenceEquals
    DeserializeXmlNode
    string JsonConvert.SerializeObject(object? value)
    (+ 7 overloads)
    Serializes the specified object to a JSON string.
```

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DEMO



Thank you!



Contacts

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