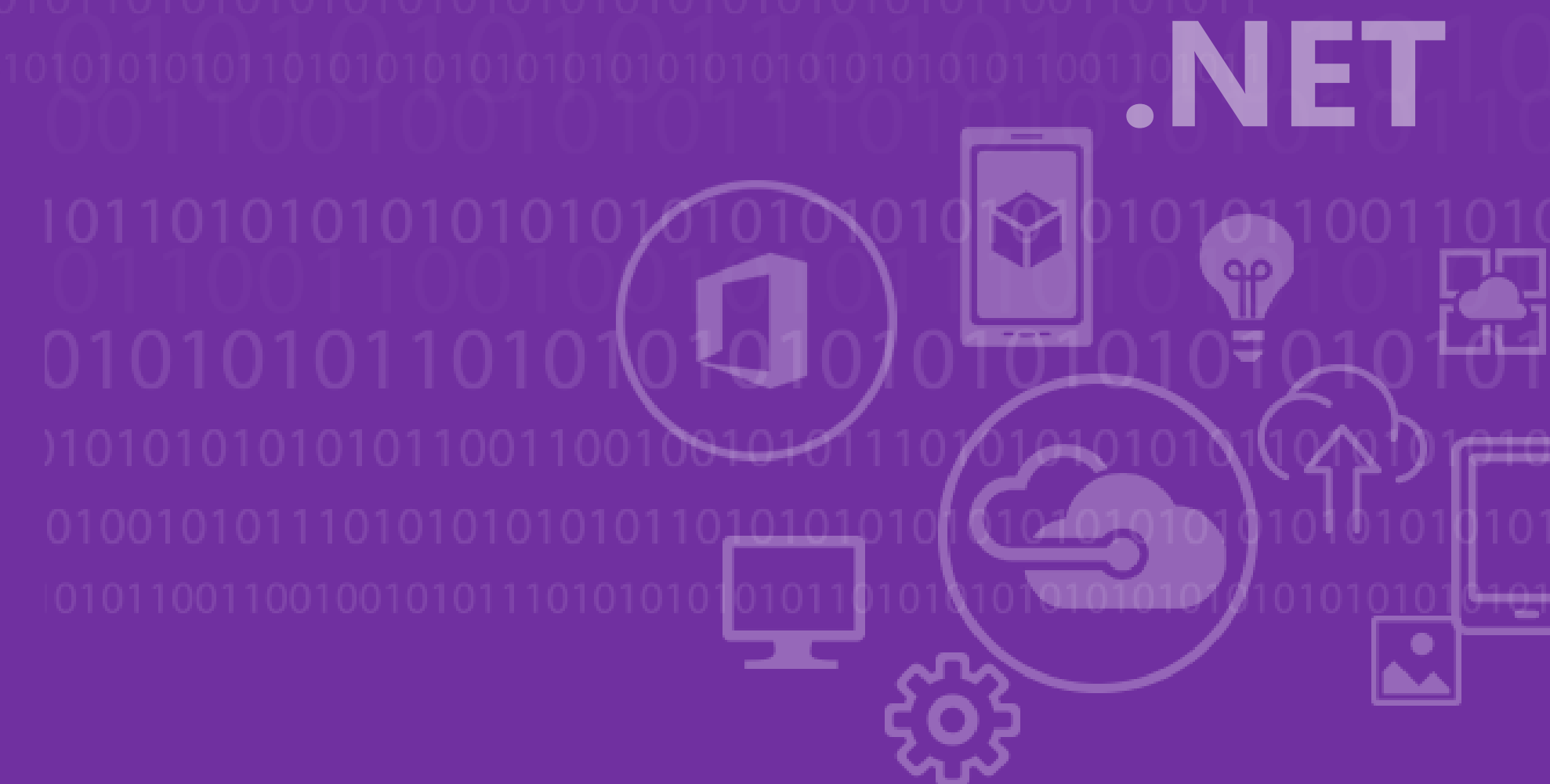


# Hacktoberfest 2020 & Contributing to Open Source

Durgesh Khandal  
@iduggu



# Outline

- Open Source contributions & benefits
- Introduce Hacktoberfest
- Microsoft Projects Showcase (Xamarin.Forms & XCT)
- How to get started and steps to raise your first PR!
- Showcase of PRs raised in Hacktoberfest 2019
- Plus lots of tips and resources ! 😊

# Beginnings

“Life would be much easier  
if I had the source code.”  
– Unknown

# The Non-Open Source Model

- You can't fix anything you use.
- You don't know who makes what you use.
- The makers don't seem to care who you are.

# The Open Source Model

- You ~~can't~~ can fix anything you use.
- You ~~don't~~ know who makes what you use.
- The makers ~~don't seem to~~ care who you are.

# The Open Source \*Career\* Opportunity

- Git is the common language of IT (GitOps)
- Experience gives you a competitive advantage
- Contribution can elevate your job opportunities

For example, 300+ job openings at Microsoft mention “open source”.

What's it look like to  
get involved?



.NET

# Blacktober FEST 2020

Presented by  DigitalOcean +  + 












You did it! Congratulations on submitting four (or more) pull requests and contributing to open source projects this month. Each of your contributions has passed the one-week grace period which means you have earned a shirt. There's just one last thing for you to do!

To claim your shirt, visit your [profile](#) now. You can expect your new swag to arrive in a few weeks (in the U.S.) and within 1 month (for international participants).



[hacktoberfest.digitalocean.com](https://hacktoberfest.digitalocean.com)







# The Rewards (Hacktoberfest 2019 - Xamarin)

	Description	How Many Pull Requests
	<b>Trophies</b> – submit 10 <a href="#">quality pull requests</a> , and you'll be eligible to earn a limited edition glass trophy while supplies last.	10
	<b>Xamarin T-Shirts</b> – submit 4 or more quality pull requests and we'll give you the shirt off our backs...ok, not literally. We have beautiful Xamarin shirts in your size just waiting to ship anywhere in the world.	4
	<b>Stickers</b> – submit 1 or more pull requests we'll have a colorful array of Xamagon stickers in the post to you faster than you can explain async/await to a perl developer.	1

# Yay! PR Approved 🥰

 **jfversluis** approved these changes yesterday

 **rmarinho** approved these changes yesterday

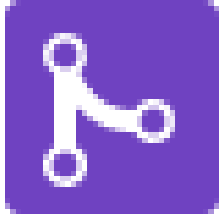
 **rmarinho** merged commit 663abfa into `xamarin:master` yesterday  
11 of 12 checks passed

[View changes](#)


[View changes](#)

[View details](#)

[Revert](#)



**Pull request successfully merged and closed**  
You're all set — the `techduggu:fix-5830` branch can be safely deleted.  
If you wish, you can also delete this fork of xamarin/Xamarin.Forms.

[Delete branch](#) 

# Getting Started

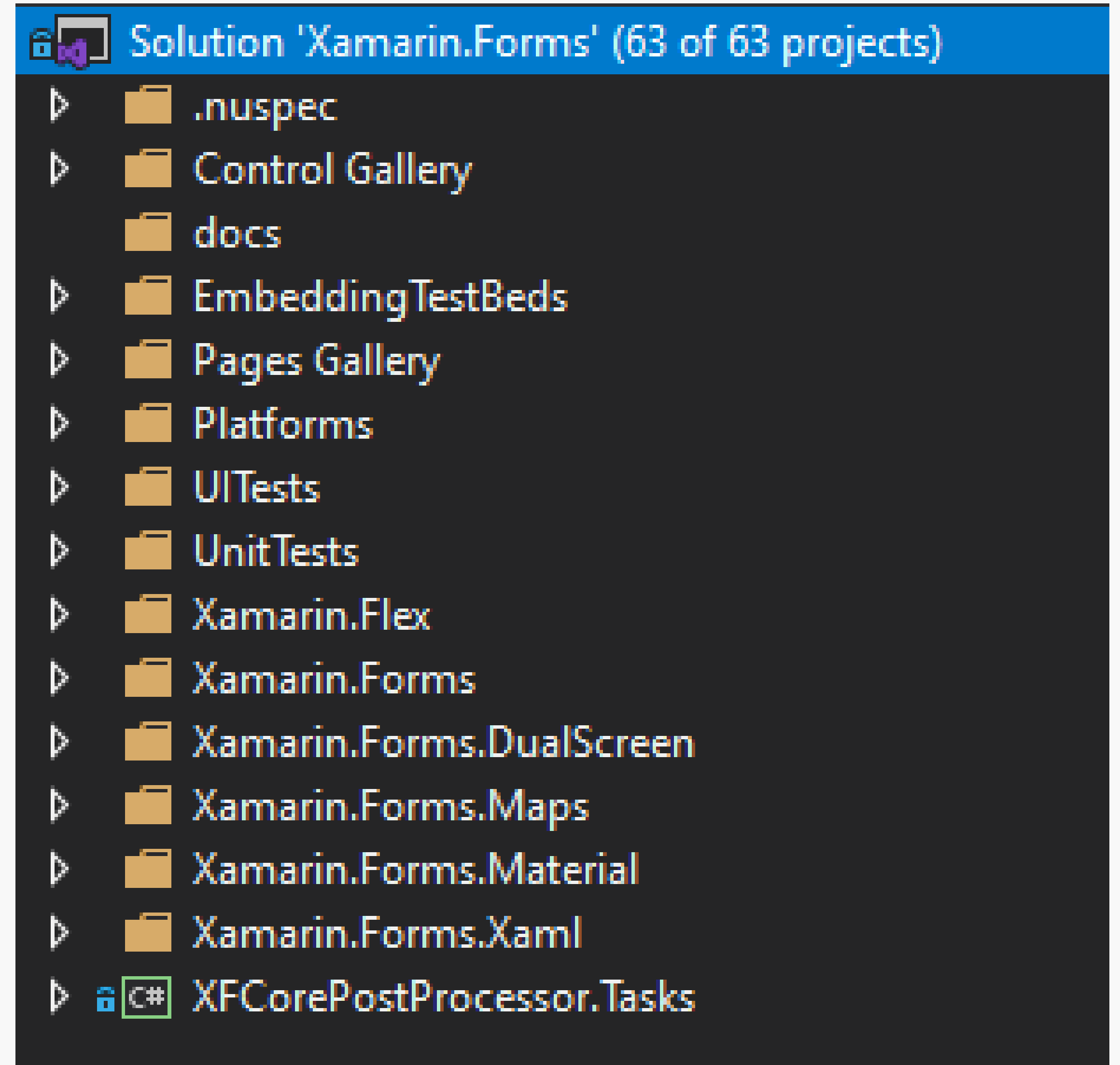
- Prerequisites
  - Git & GitHub basics & some advanced Git commands
- Find a project to contribute to
- Project Solution Orientation
- Branching strategy
- Contributing Workflow (Steps to raise PR!)

# Project Prerequisites

- VS 2019+, .NET Framework 4.7 SDK
- Android 10.0 API 29 SDK / UWP or Mac (Optional)
- Solution Configuration (Build Only, Maps API Keys)
- Coding Style Guide
- Contribution License Agreement (.NET Foundation)

# Xamarin.Forms Solution

- Control Gallery
- Platforms
- Unit Tests
- Xamarin.Forms



# Branching Strategy

.NET





# The Contribution

Ok, so how do I give back?

- Read the CONTRIBUTING.md file
- Be fearless 🤖
- Be humble 🙏

# Contributing Workflow

Steps to raise your first PR:

1. Fork and Clone the repository
2. Create "upstream" remote (for rebase operations)
3. Pick an issue to fix (help-wanted / up-for-grabs / F100 / e/1) and communicate effectively
4. Create a new branch to host your changes (e.g. fix-5749)
5. Follow the Issues Template approach to reproduce your issue
6. Implement your fix and write UI Test cases if possible
7. Submit your Pull Request (Follow PR template)

# Let's see it In Action

# .NET



# Resources

- Handy URL list and resources
  - [theurlist.com/xhack20-resources](https://theurlist.com/xhack20-resources)
- Follow @xamarinhq
  - Watch Gerald Versluis @jfversluis , Javier Suárez @jsuarezruiz, Shane @PureWeen
  - Join the conversation: Discord ([aka.ms/dotnet-discord](https://aka.ms/dotnet-discord)) / Slack (Xamarin Chat)
  - Matt Broberg @mbbroberg (Open Source maintainer)

# Thank you!

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@iduggu

