

Contributing to Xamarin.Forms

Durgesh Khandal
@iduggu



Who's this dude?



Jaipur



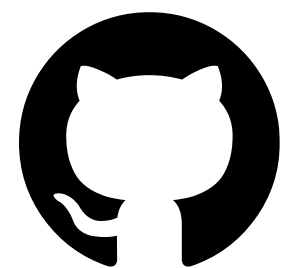
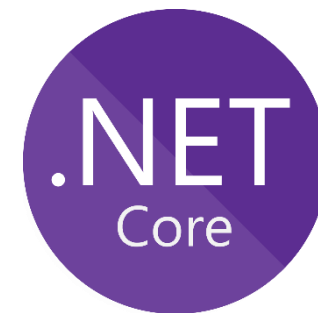
publicis
sapient



Mindtree



Indore



techduggu



sitecoresmurf.wordpress.com



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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

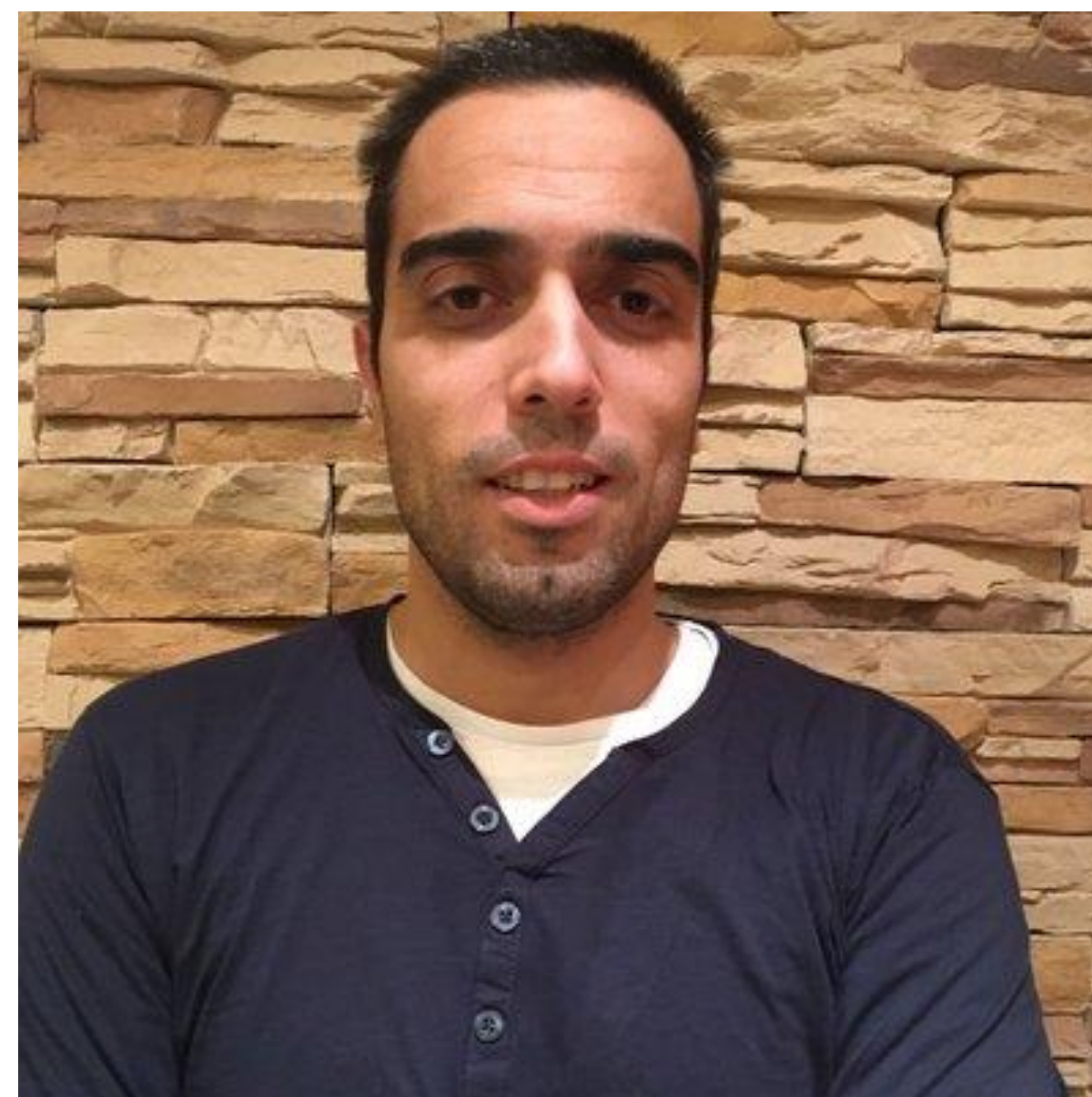
- Git is the common language of IT (GitOps)
- Experience gives you a competitive advantage
- Contribution can elevate your job opportunities

For example, 632 job opening at Microsoft mention “open source”.



Gerald Versluis
@jfvversluis

Javier Suárez
@jsuarezruiz



What's it look like to
get involved?



.NET






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



The Rewards (Hacktoberfest 2019 - Xamarin)

	Description	How Many Pull Requests
	Trophies – submit 10 quality pull requests , and you'll be eligible to earn a limited edition glass trophy while supplies last.	10
	Xamarin T-Shirts – 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
	Stickers – 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

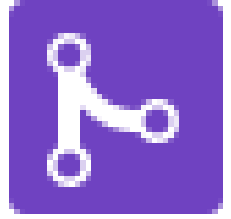
 **rmarinho** merged commit 663abfa into `xamarin:master` yesterday
11 of 12 checks passed

[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

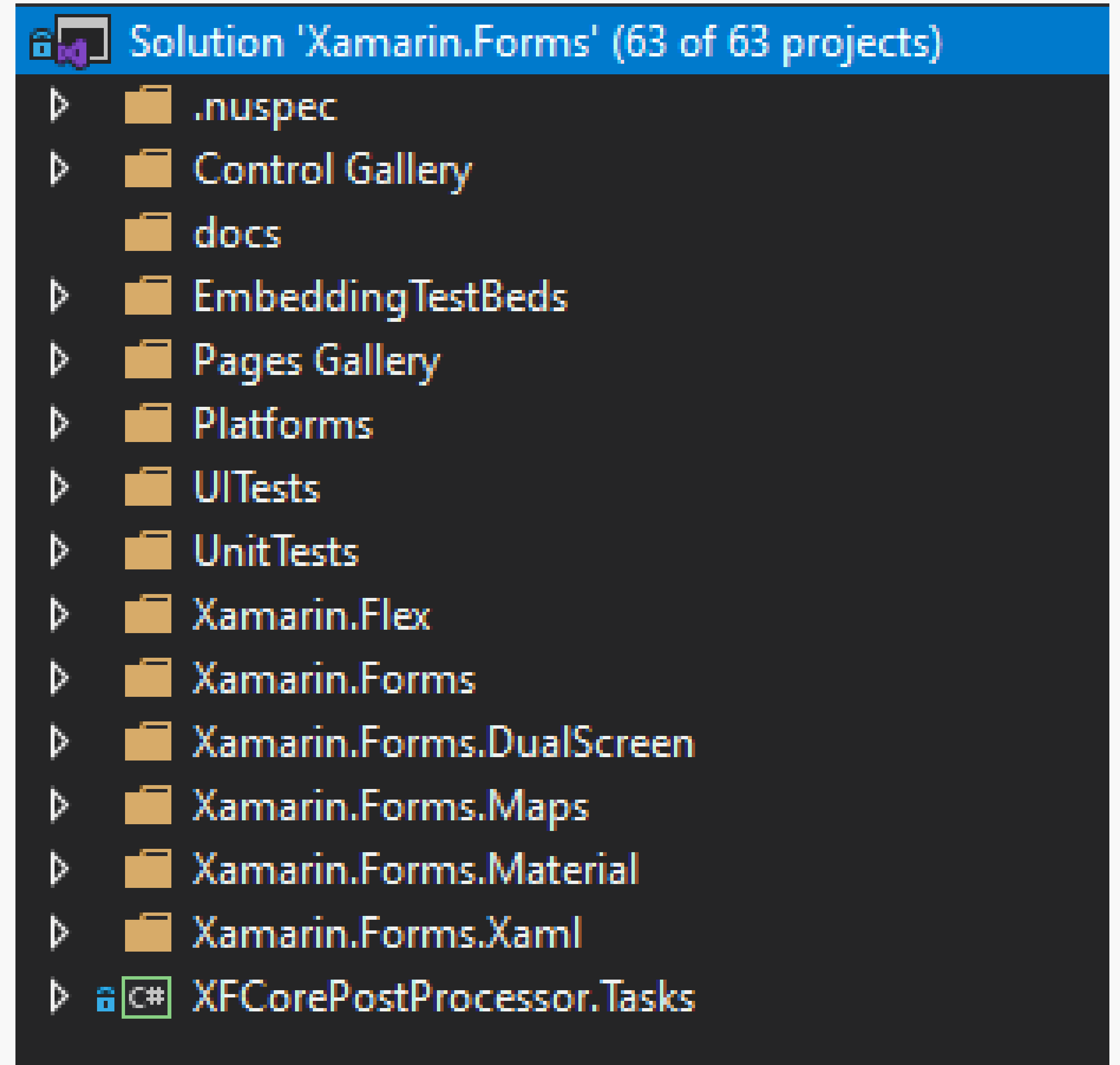
- Prerequisites
- X.F Solution Orientation
- Branching strategy
- Contributing Workflow (Steps)
- Create your first Xamarin.Forms PR!
- Plus lots of Tips! 😄

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



Xamarin.Forms In Action

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Branching Strategy

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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 X.F repository
2. Create "upstream" remote (for rebase operations)
3. Pick an issue to fix (help-wanted / up-for-grabs / F100 / e1)
4. Create a new branch to host your changes (e.g. fix-5749)
5. Follow the X.F 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)

Resources

- Xamarin.Forms Contributing
 - aka.ms/xfcontributing
- Working with GitHub Fork in Visual Studio
 - doc.fireflymigration.com/working-with-github-fork-in-visual-studio.html
- Follow @xamarinhq
 - Gerald Versluis @jfvversluis , Javier Suárez @jsuarezruiz , Matt Broberg @mbbroberg
 - Gitter (gitter.im/xamarin) / Slack (Xamarin Chat) / Hacktoberfest (Xamarin Edition)

Thank you!

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