

FEB. 07, 2020 • POP<TALKS>

Starting Your Flutter Project



Popcode Mobile Solutions

Thiago Fontes

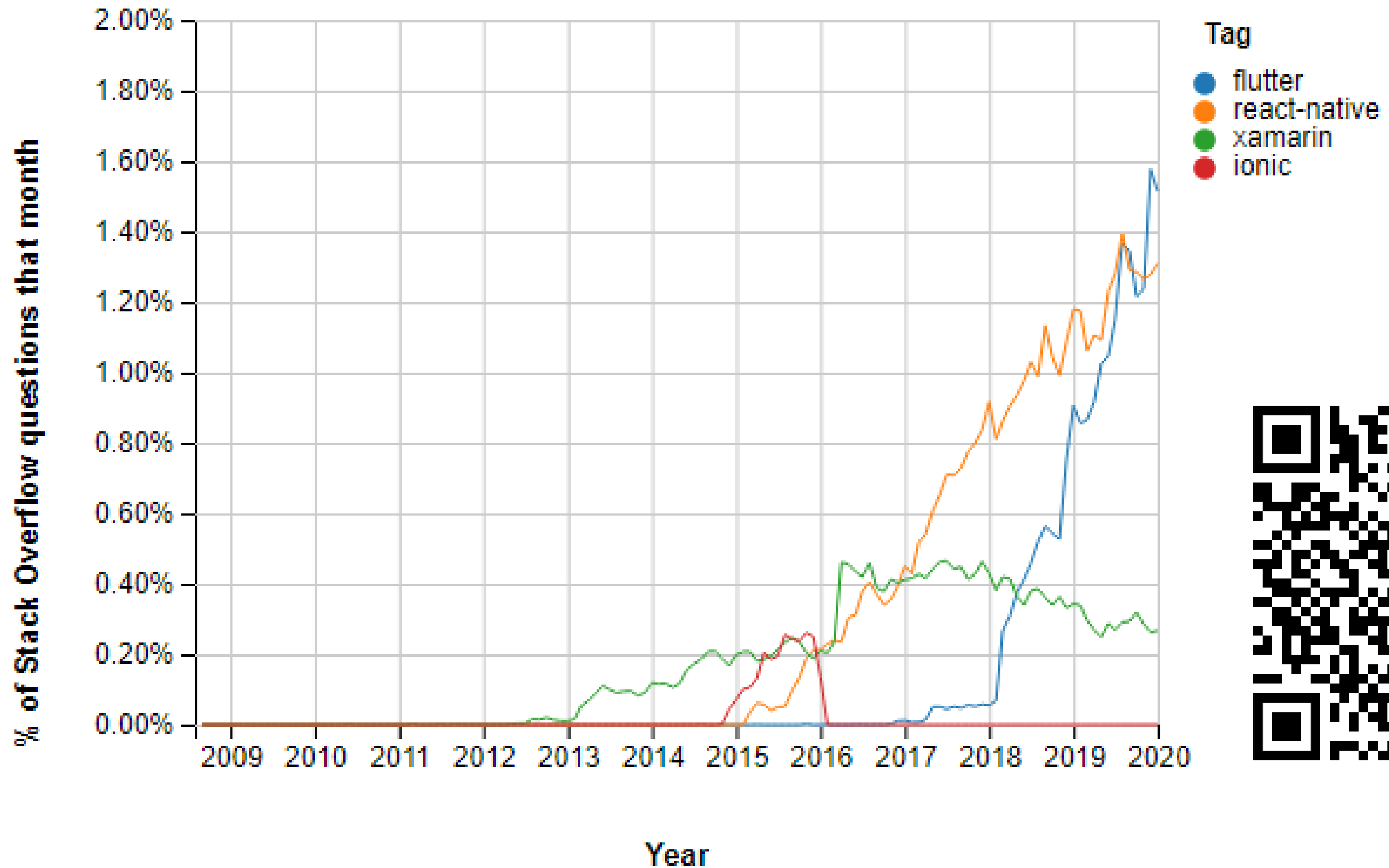
WHY FLUTTER?



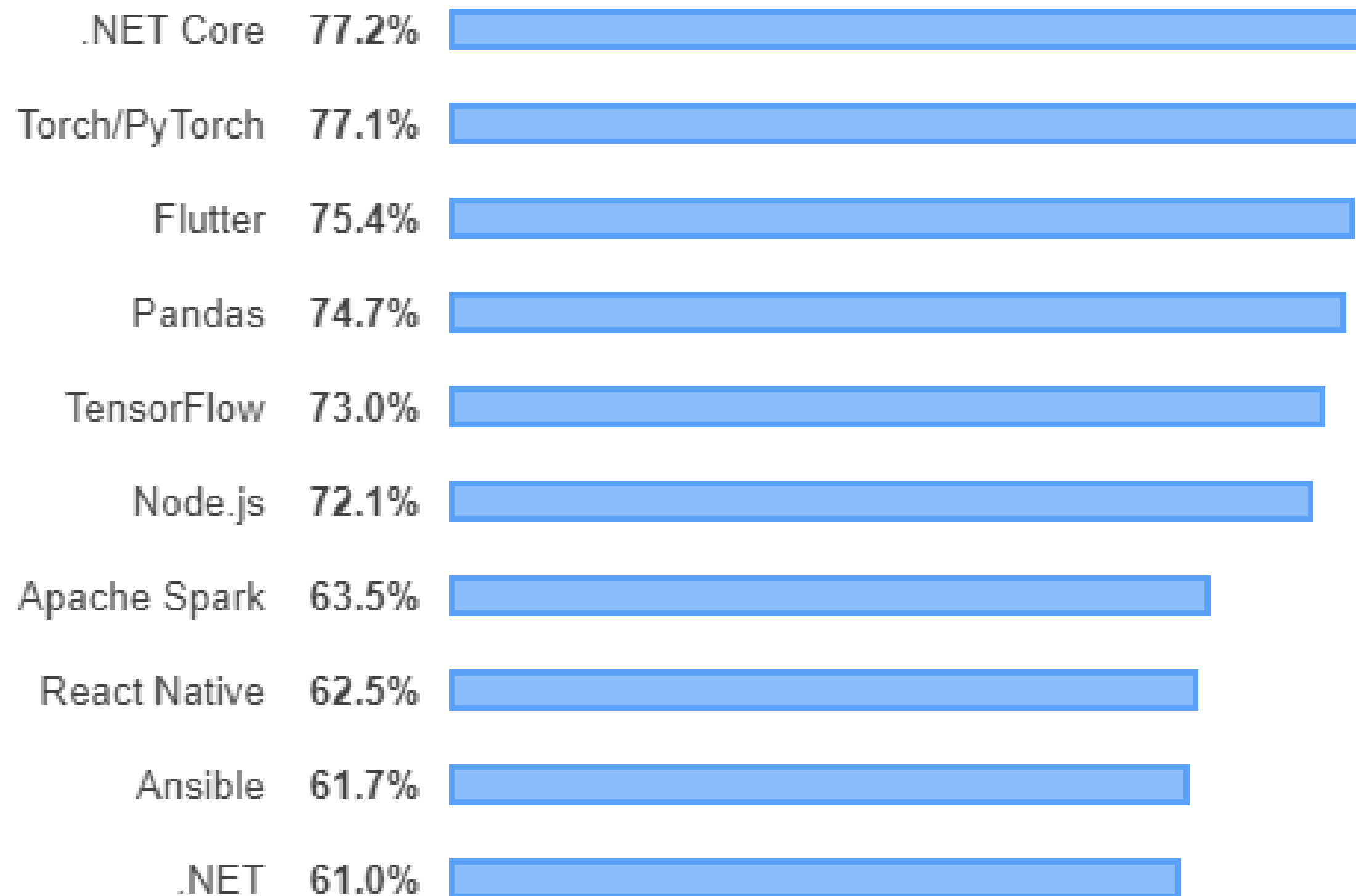
Flutter as a tool

- Cross Platform
- Native Performance
- Growing Community
- Fuchsia compatibility

FLUTTER POPULARITY (STACK OVEFLOW)



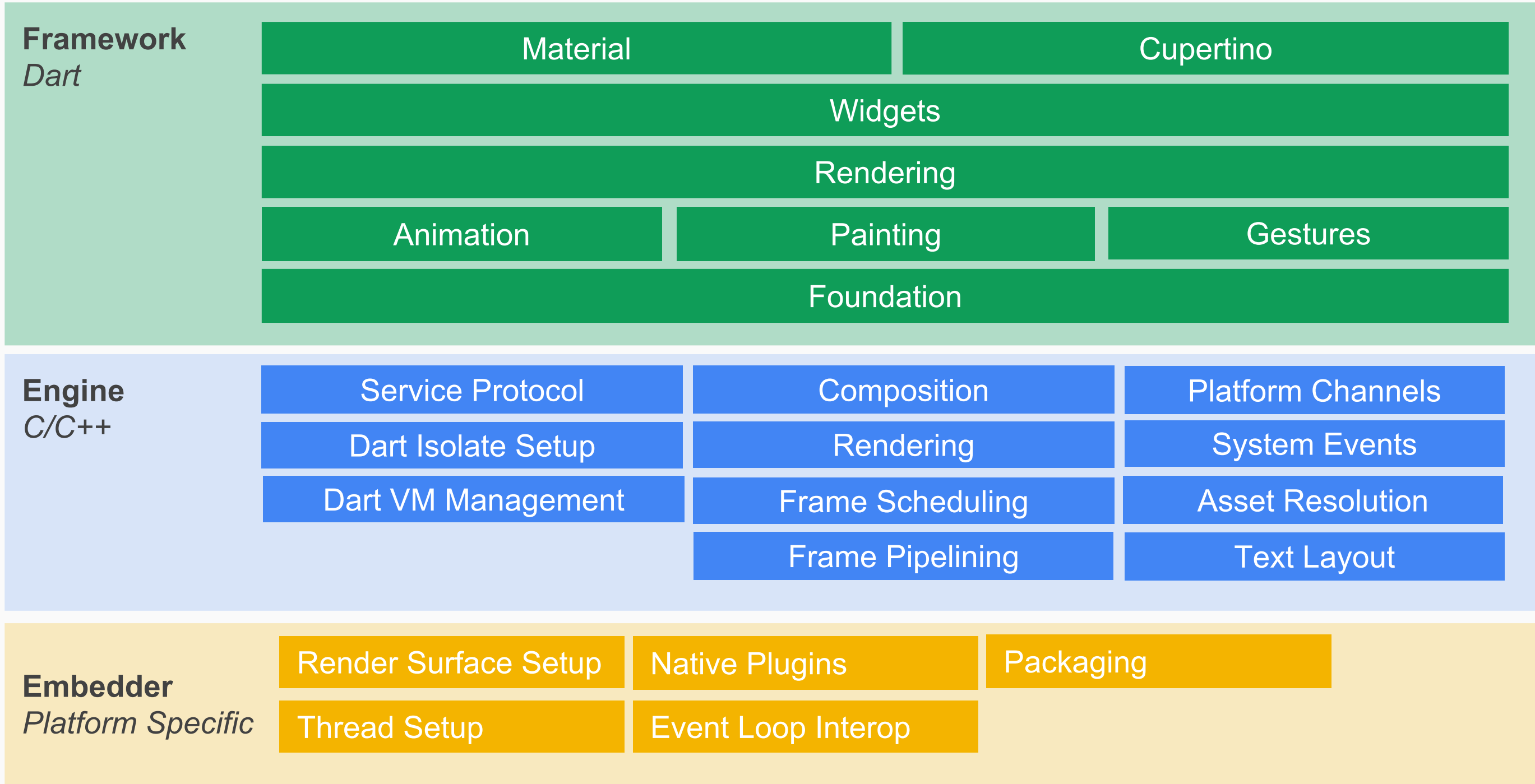
MOST LOVED FRAMEWORKS (STACK OVERFLOW)



Why will a
flutter app look
the same on
multiple
platforms?

Flutter System Overview

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HOW TO START?



Install Flutter!



TDD - Test Driven Development

TEST

Always start with tests

DEVELOP

Develop code sufficient to pass your tests

REFACTOR

Improve the functionality and code

Flutter tests

HOW TO START

UNIT TEST

```
flutter test test/widget_test.dart
```

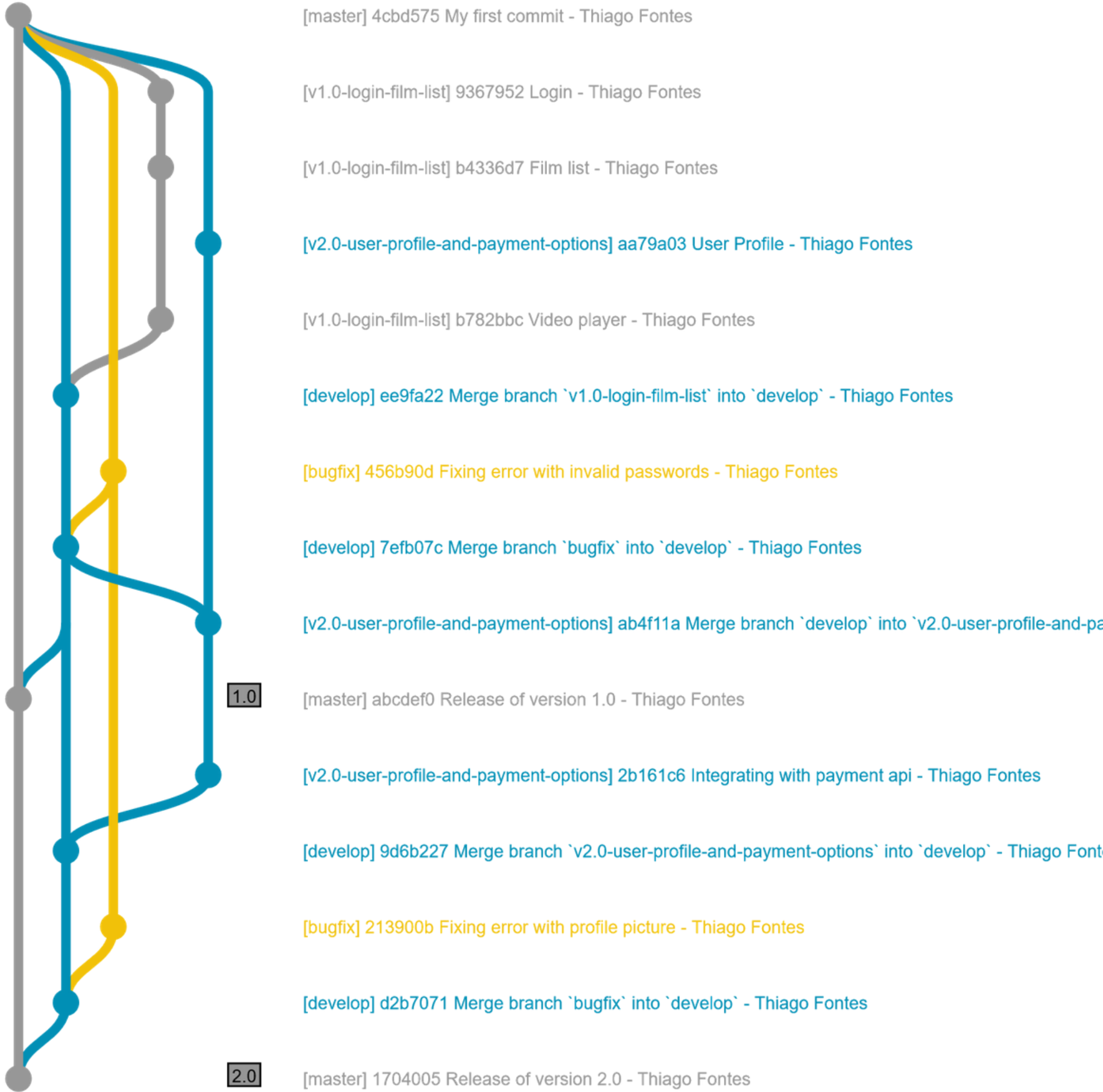
WIDGET TEST

```
flutter test test/counter_test.dart
```

INTEGRATION TEST

Need of a device to run

```
flutter drive --target=test_driver/app.dart
```



Githooks and static analysis

hooks >  pre-commit

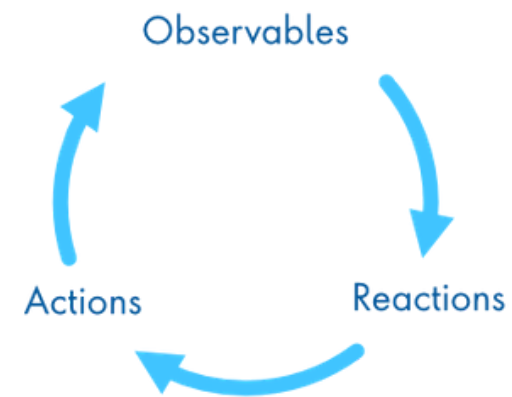
```
1  #!/bin/sh
2  # Template from https://gist.github.com/miquelbeltran/56b7e276f8209c46bc39644b82018587
3  # To use add to `.git/hooks/`
4  # Should be named `pre-push`
5  # Make executable with `chmod +x`
6
7  # stash any unstaged changes
8  git stash -q --keep-index
9
10 # run Flutter analyze + test
11 flutter analyze
12
13 if [ $? -ne 0 ]; then
14     # unstash the unstashed changes
15     git stash pop -q
16     exit 1
17 fi
18
19 flutter test
20
21
22 if [ $? -ne 0 ]; then
23     # unstash the unstashed changes
24     git stash pop -q
25     exit 1
26 fi
27
28 # unstash the unstashed changes
29 git stash pop -q
30 exit 0
```

pedantic

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MobX.dart



Hassle free state-management for your
Dart and **Flutter** apps

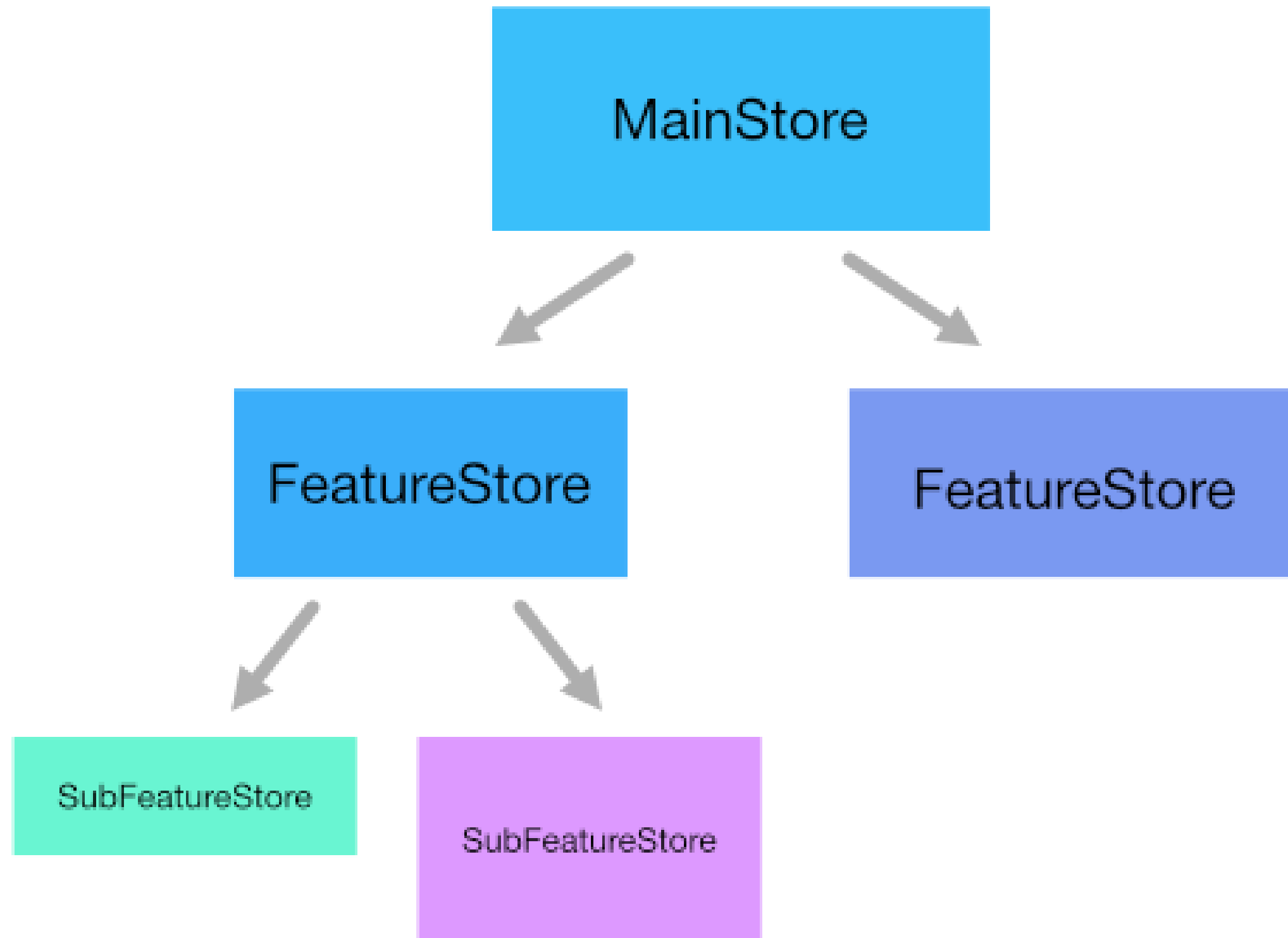
■ OBSERVABLES

■ ACTIONS

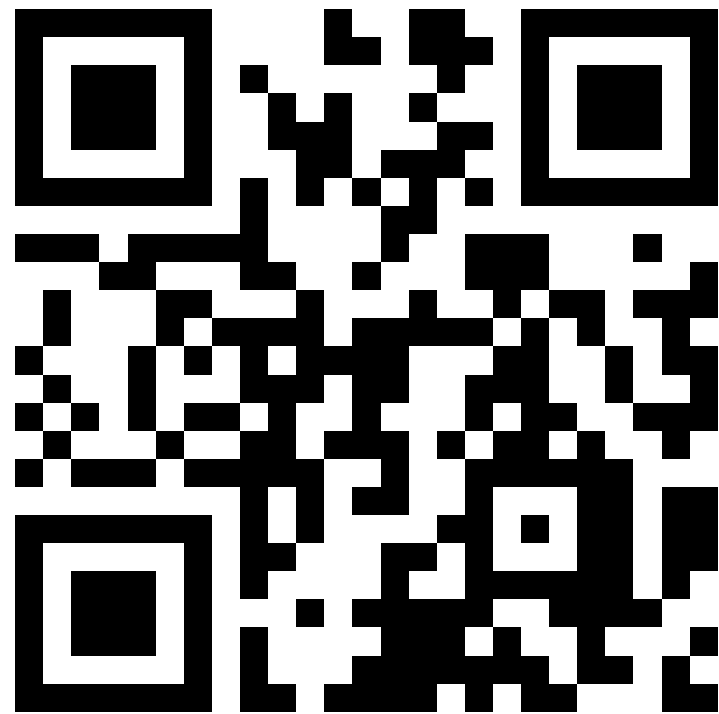
■ REACTIONS

Introduction to MobX

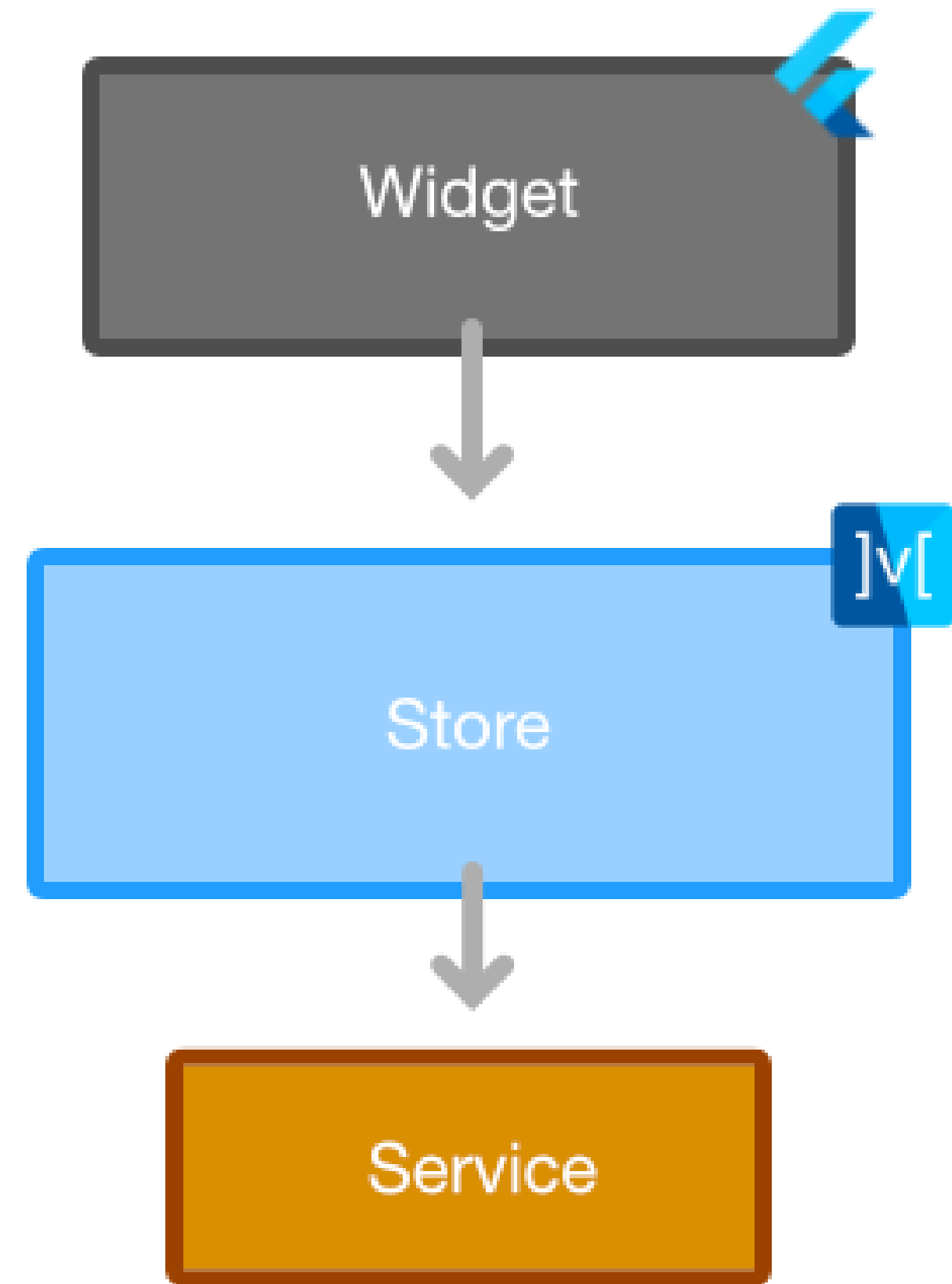
MobX Stores



MobX Dependency Order



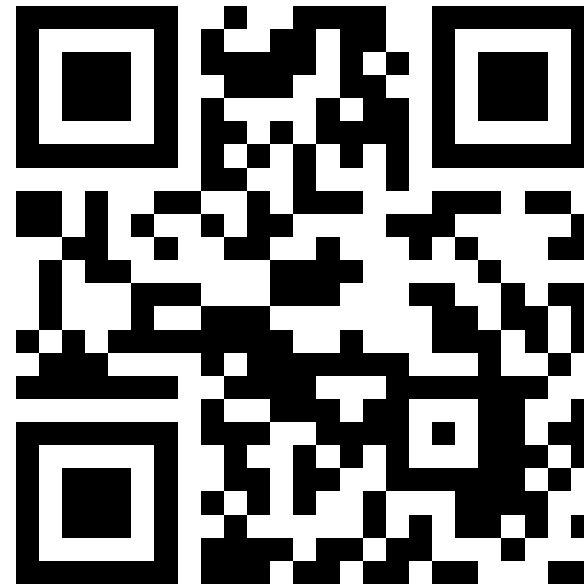
<https://mobx.pub/guides/stores>



Important Resources

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ARCHITETURE SAMPLES



<https://fluttersamples.com/>

CLEAN ARCHITETURE WITH FLUTTER



https://youtu.be/KjE2IDphA_U

FLUTTER DESIGN PATTERNS



<https://link.medium.com/6dneaBbnS3>

FLUTTERANDO



<https://flutterando.com.br/>

GitHub



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