

# Modularizing your application

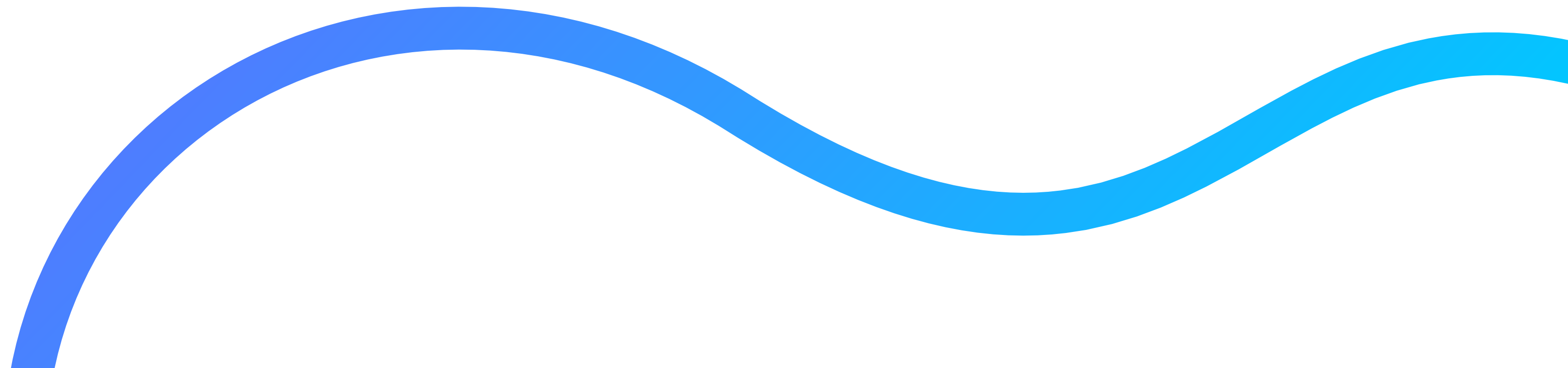
 Hans Fehrmann

@hfehrmann



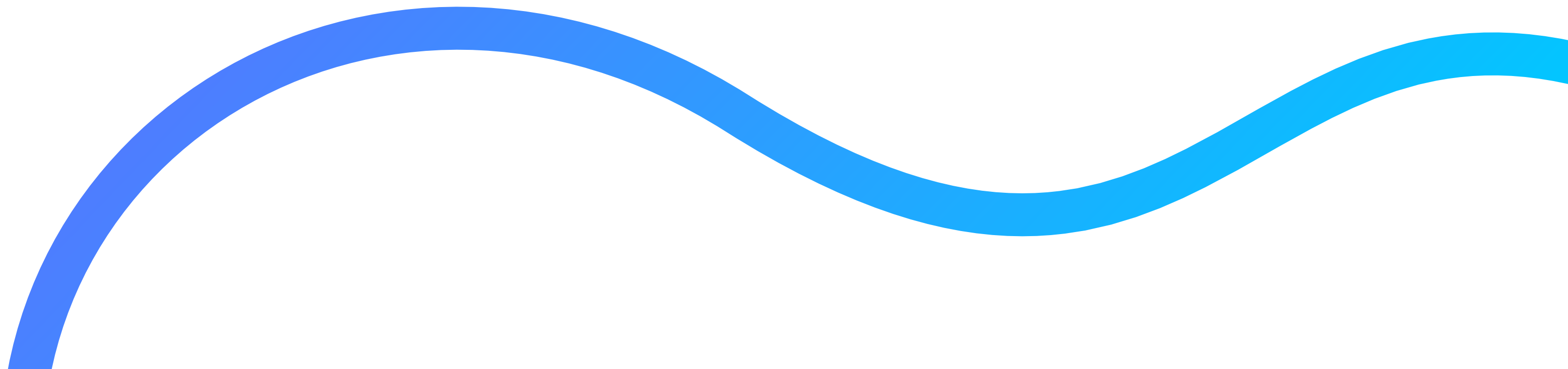
Before we start ...

**Genesis**



# Architecture Evolution

MVC → MVVM → MVVM + Coordinator → Viper(ish)

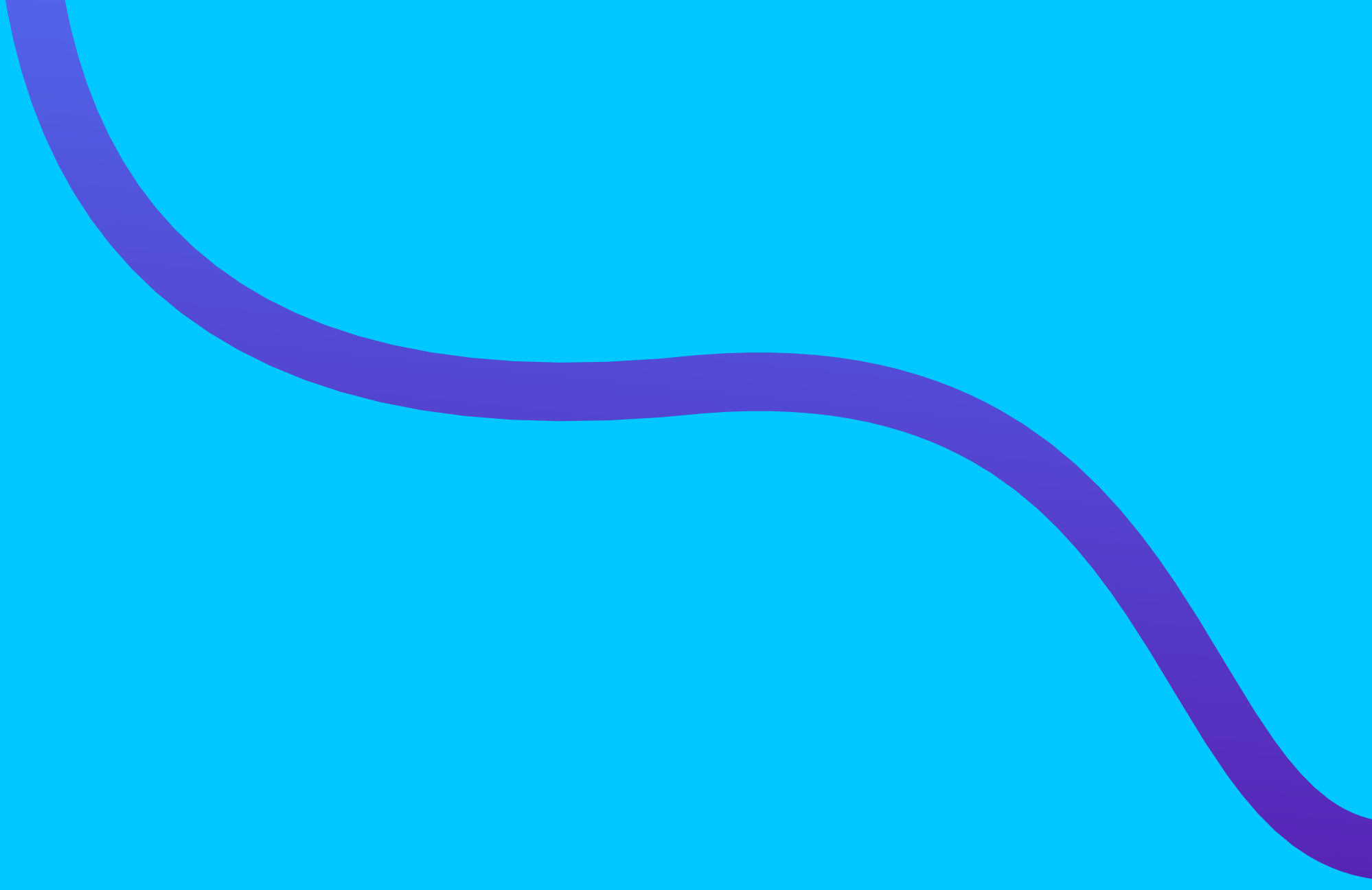




The background image shows a chaotic art studio floor. It is covered in numerous splatters of red, blue, yellow, and green paint. Several tubes of 'Acrimagic' paint are lying on their sides, some with their caps removed. A paint palette with yellow and green paint is visible in the bottom right corner. A cardboard box with a barcode is partially visible in the top right. A central purple rectangle contains the text 'What's next?'.

What's next?





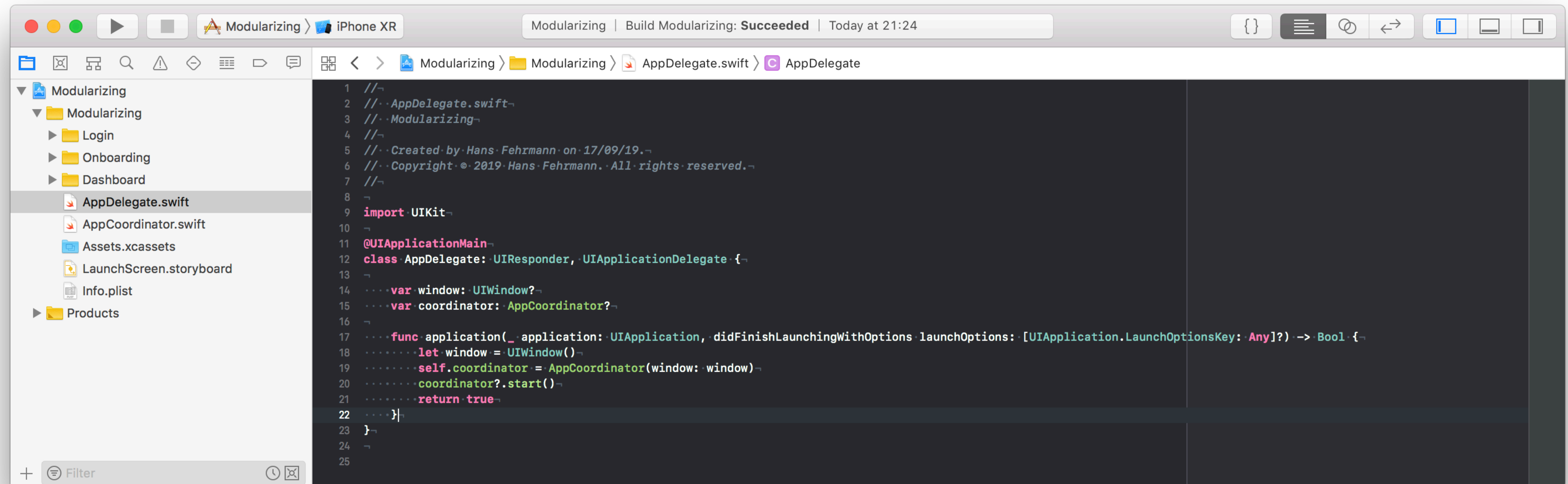
# Modules

Encapsulating related structures

# Login

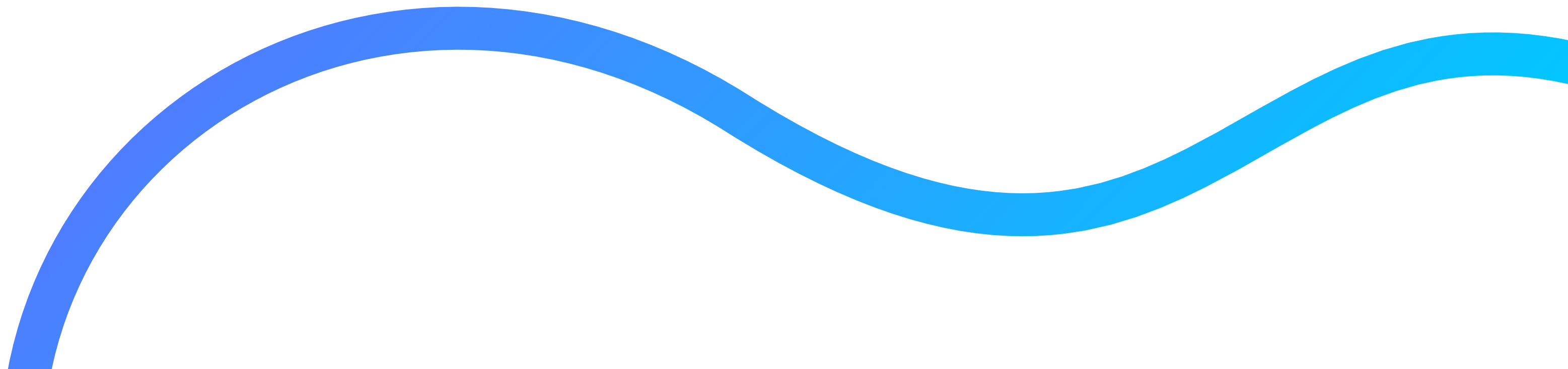
# Onboarding

# Dashboard



# Problems

- Slow compilation
- Environment pollution
- Too much intimacy







Real Modules! (*à-la* Swift)

Modularizing > iPhone 8

Modularizing | Build Modularizing: **Succeeded** | Today at 02:13

Modularizing

Modularizing

AppDelegate.swift

application(\_:didFinishLaunchingWithOptions:)

1 //

2 // AppDelegate.swift

3 // Modularizing

4 //

5 // Created by Hans Fehrmann on 17/09/19.

6 // Copyright © 2019 Hans Fehrmann. All rights reserved.

7 //

8

9 import UIKit

10

11 @UIApplicationMain

12 class AppDelegate: UIResponder, UIApplicationDelegate {

13

14 var window: UIWindow?

15 var coordinator: AppCoordinator?

16

17 func application(\_ application: UIApplication, didFinishLaunchingWithOptions launchOptions: [UIApplication.LaunchOptionsKey: Any]?) -> Bool {

18 let window = UIWindow()

19 self.coordinator = AppCoordinator(window: window)

20 coordinator?.start()

21 return true

22 }

23 }

24

25

Identity and Type

Name

AppDelegate.swift

Type

Default - Swift Source

Location

Relative to Group

AppDelegate.swift

Full Path

/Users/itauchile/Desktop/ModuliringTalk/XcodeProject/Modularizing/AppDelegate.swift

On Demand Resource Tags

Only resources are taggable

Target Membership

☒ Modularizing

Text Settings

Text Encoding

No Explicit Encoding

Line Endings

No Explicit Line Endings

Indent Using

Spaces

Widths

4

4

Tab

Indent

☒ Wrap lines

+ Filter



# Demo Time

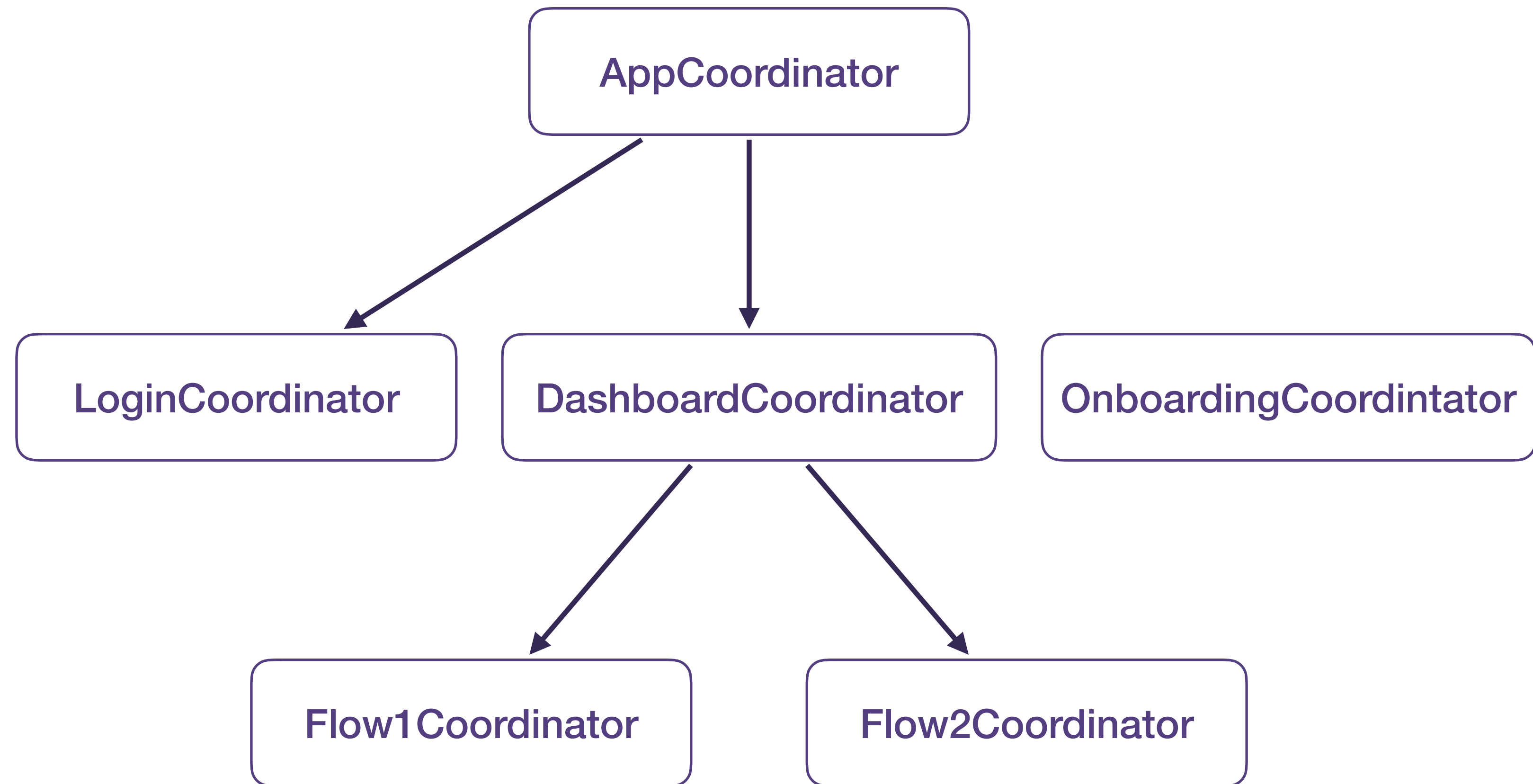
View Coding

Variant Coordinator Pattern

Dependency Injection

<https://github.com/hfehrmann/modularize-your-app>

Demo Time

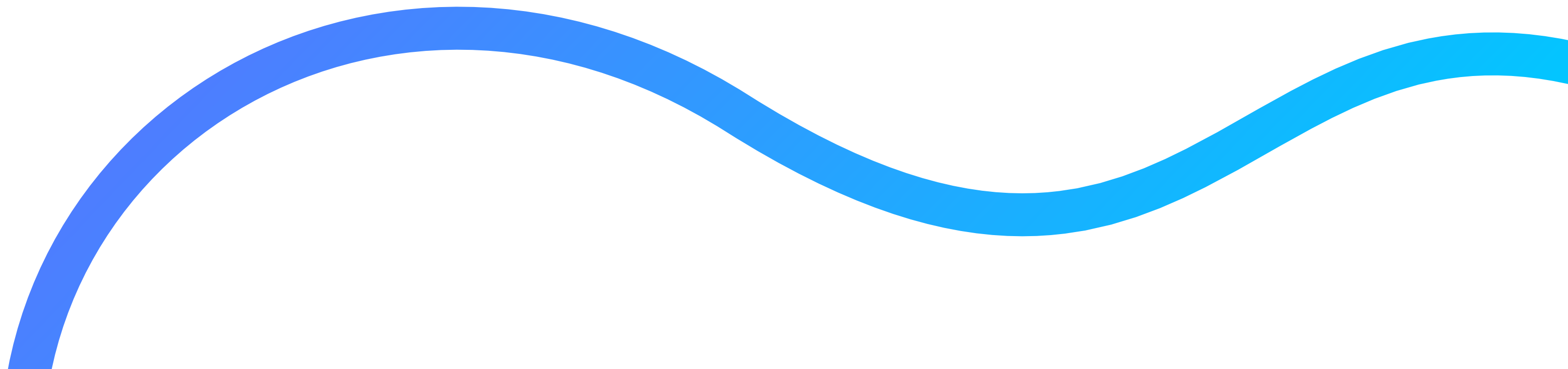


<https://github.com/hfehrmann/modularize-your-app>



## What we achieved

- Real code encapsulation
- Faster compilation (sometimes)
- Reduced code pollution



Questions?

Thanks!



Do you want to be part of  
our team?

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