

# Creating your first **SwiftUI** app

Into the world of Declarative UI



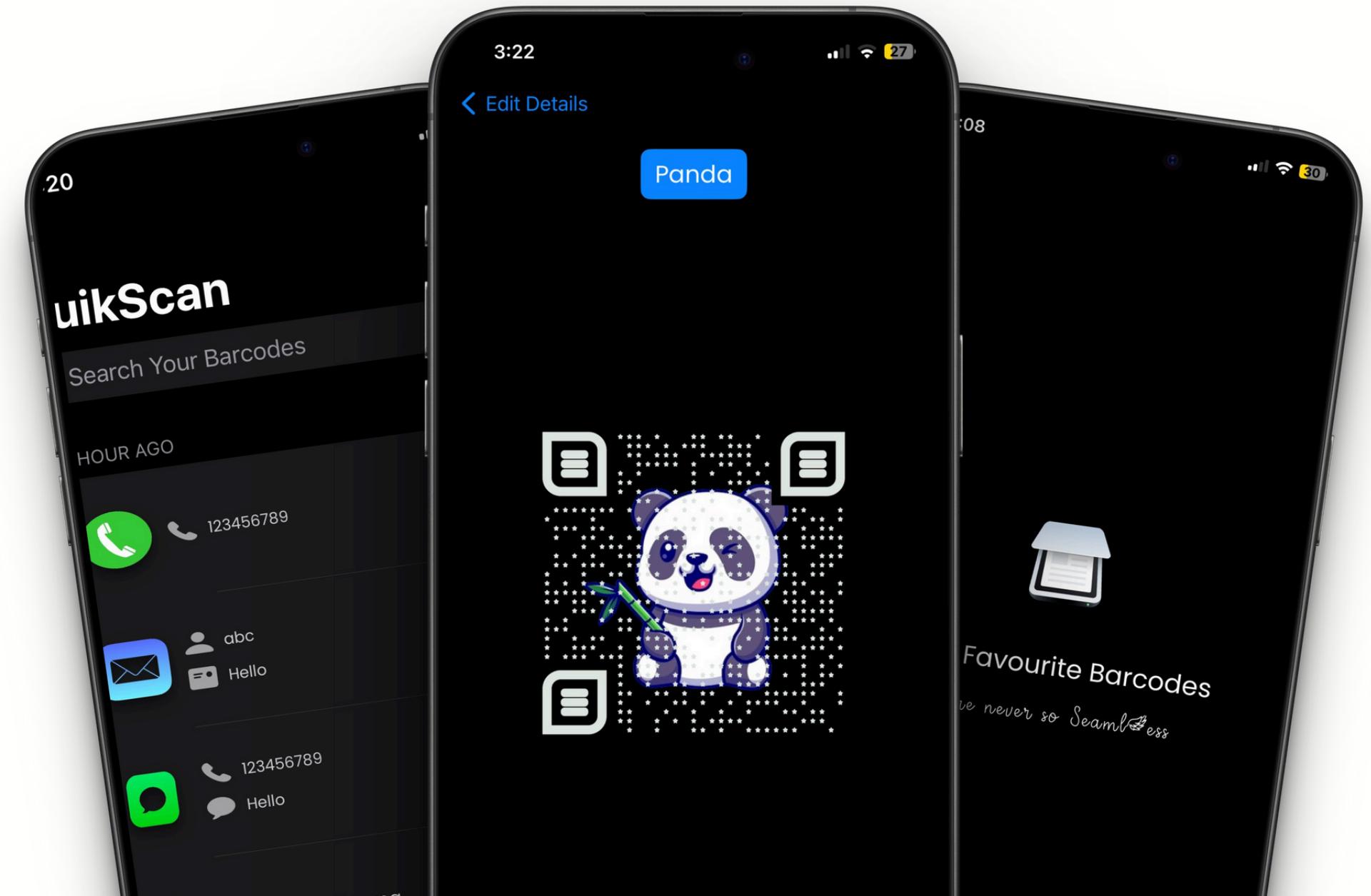
**Kailash Sharma**

## A human who loves □, nature and poetry.

- 2x Top 100 Globally in Solution Challenge
- A passionate builder who wants to democratize experiences
- Ex Intern @FoldMoney
- Curr App Intern @Leadbeam.ai
- Working with clients across 3 different timezones



# My first **SwiftUI** app



# Throwback to WWDC 2023

**The best way to build an app  
is with Swift and SwiftUI.**

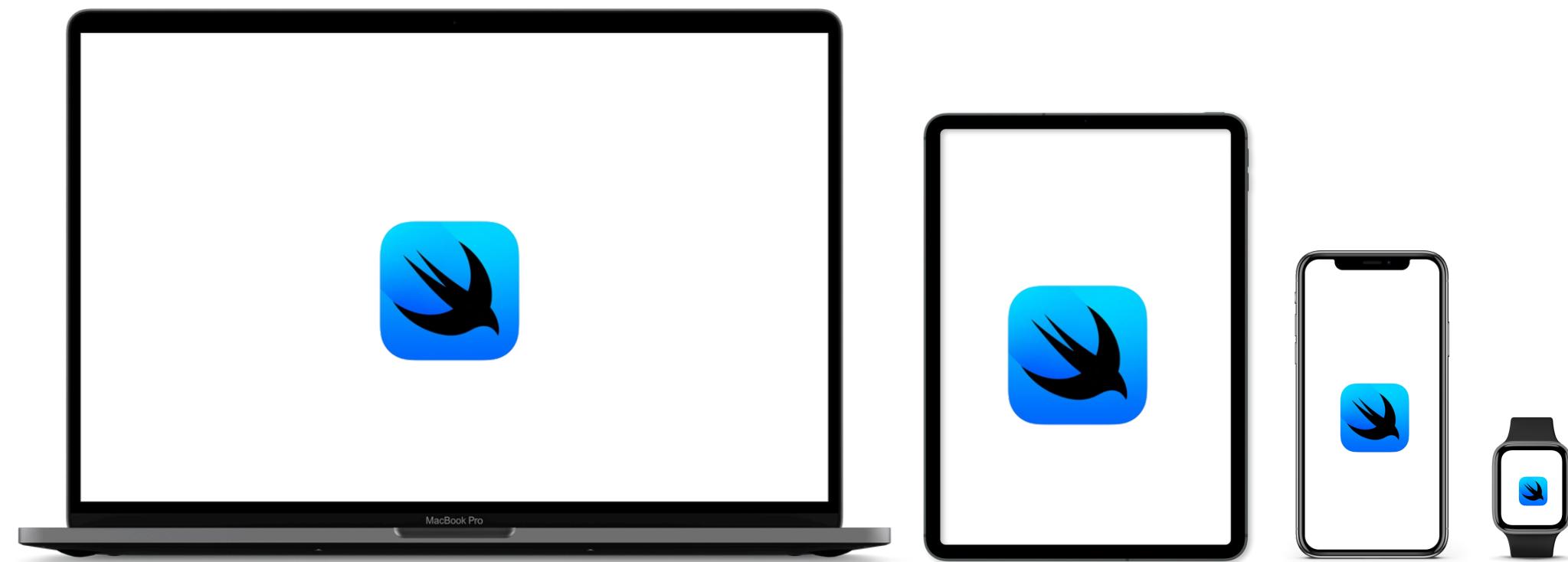


# Why SwiftUI



# Write Once Run Anywhere (WORA)

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# Declarative UI

QuikScan

QuikScan > Gravity

Indexing | Initializing datastore 11

Content View

QuikScan > QuikScan > ContentView > No Selection

```
1 //  
2 // ContentView.swift  
3 // QuikScan  
4 //  
5 // Created by Kailash on 27/03/24.  
6 //  
7  
8 import SwiftUI  
9 import AVKit  
10  
11  
12  
13 struct ContentView: View {  
14     @State var session: AVCaptureSession = .init()  
15     @StateObject var authManager = AuthManager()  
16     @StateObject var cameraViewModel : CameraViewModel = CameraViewModel()  
17     @State var tabSelection: Tabs = .home  
18     @State var scale: CGFloat = 1.0  
19     @State var launchVisible: Bool = true  
20     var body: some View {  
21         if launchVisible {  
22             LaunchScreen(scale: $scale, isVisible: $launchVisible)  
23         } else {  
24             // NavigationStack {  
25             TabView(selection: $tabSelection) {  
26                 Group {  
27                     HomeView()  
28                         .environmentObject(cameraViewModel)  
29                         .environmentObject(authManager)  
30                         .tabItem {  
31                             Image(systemName: "house.fill")  
32                             .resizable()  
33                             .frame(width: 10, height: 10)  
34                             .foregroundStyle(.primary)  
35                             .onTapGesture {  
36                                 session.stopRunning()  
37                             }  
38                         }  
39                         .tag(Tabs.home)  
40  
41                         FullScreenCameraView(session: $session)  
42                         .environmentObject(cameraViewModel)
```

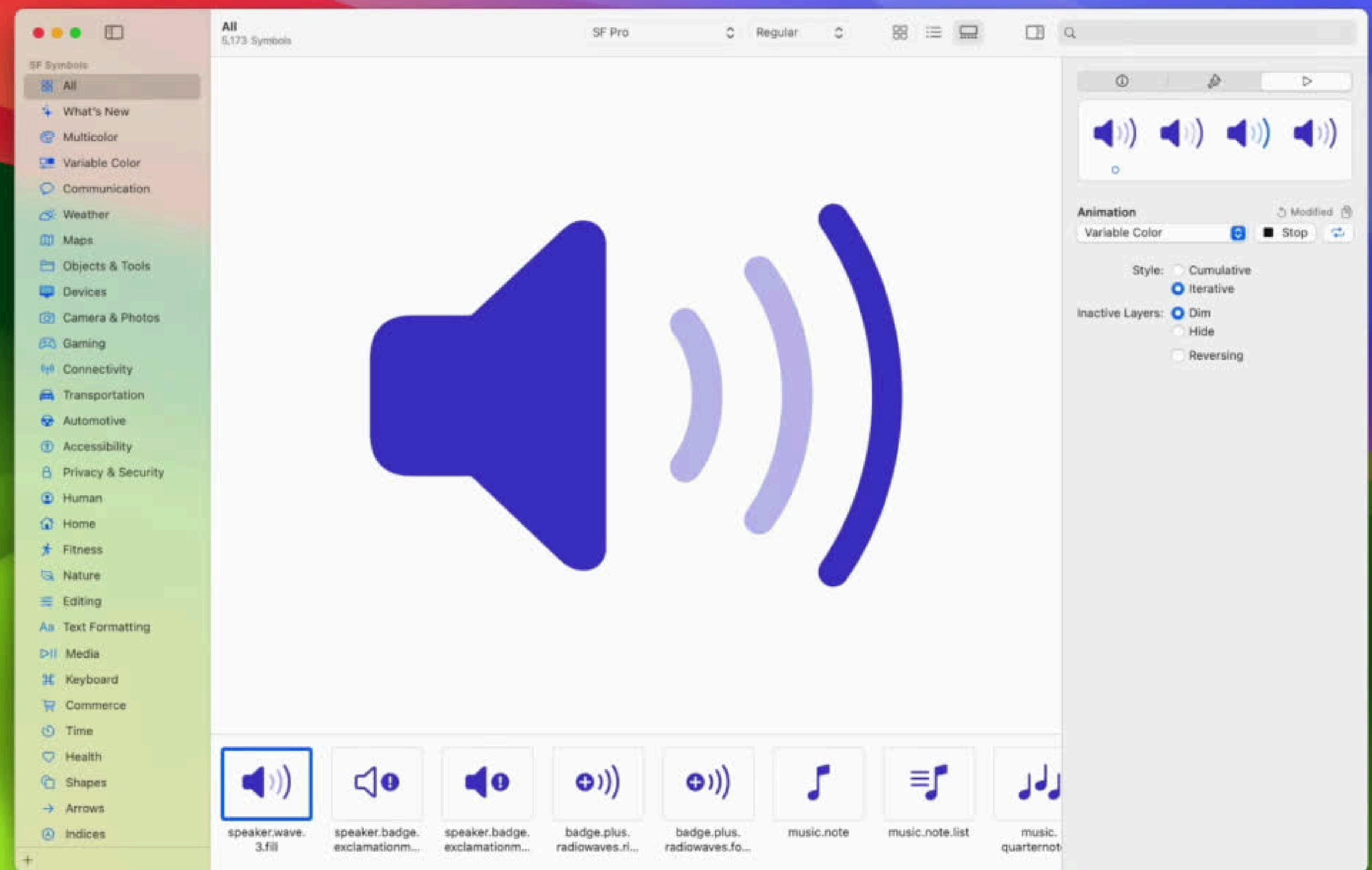
ContentView

Your Favourite Barcodes

Were never so Seamless

India

Enter Phone Number



# Is **UIKit** dead?

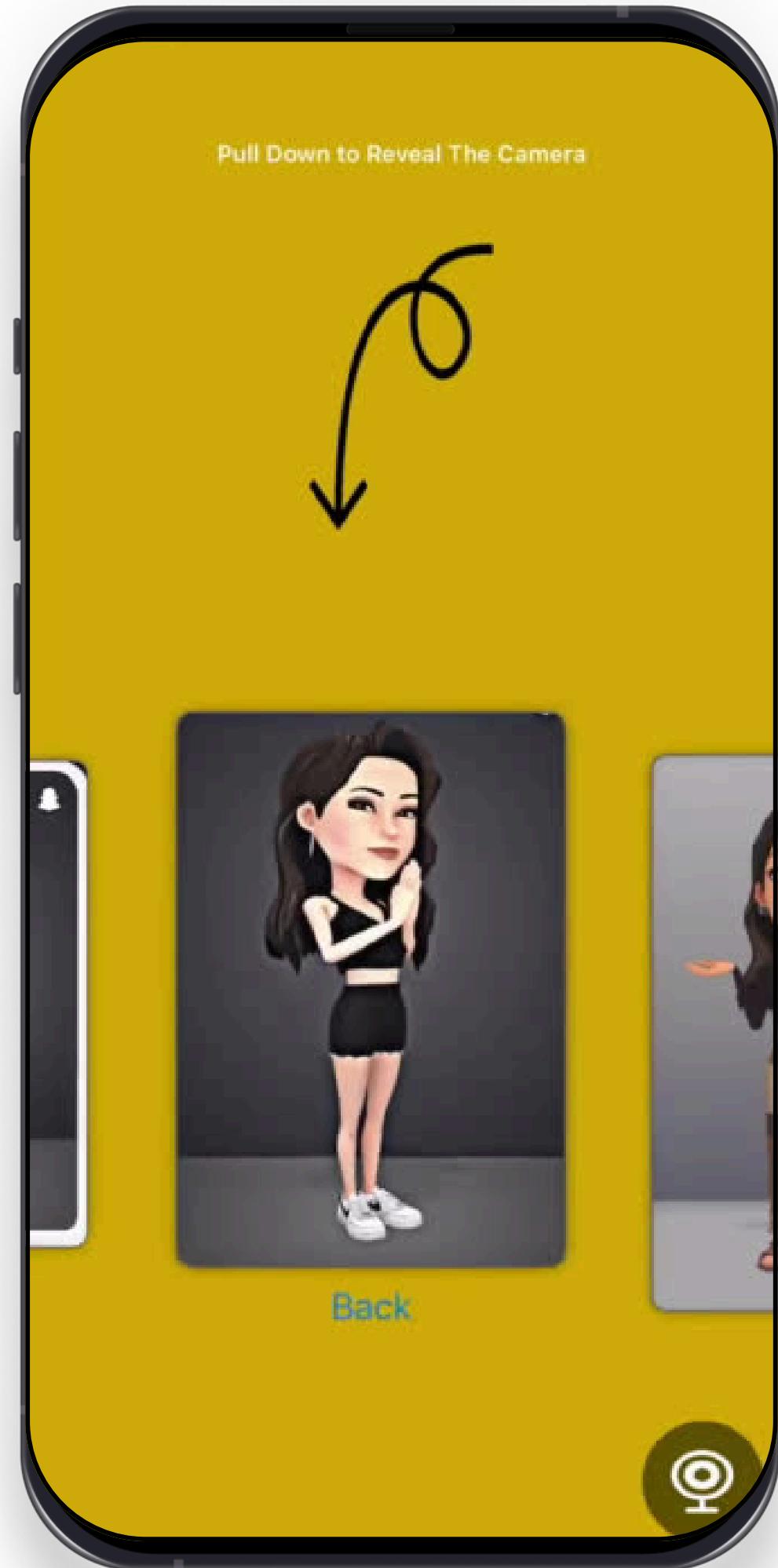
SwiftUI + UIKit = 



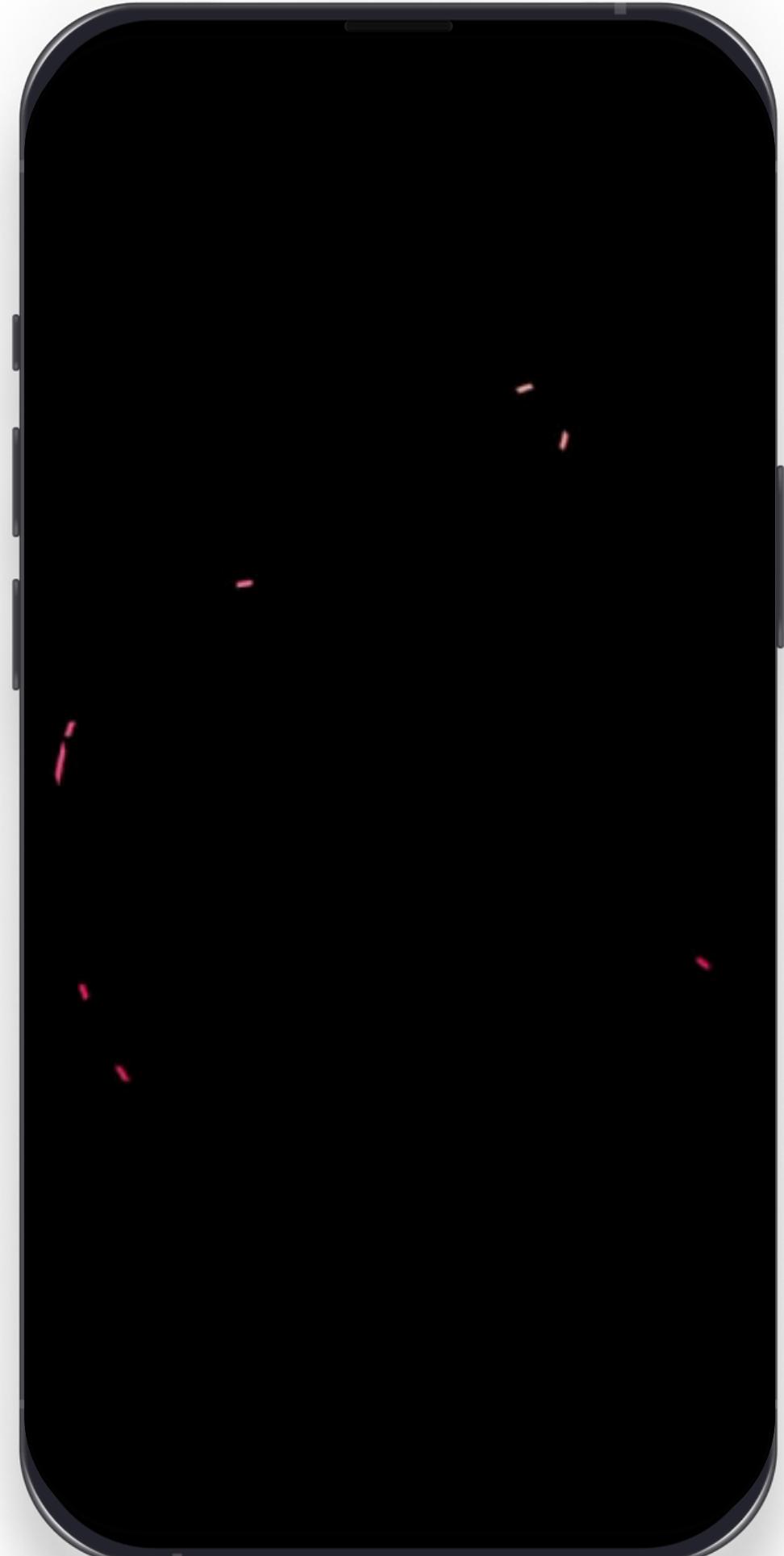


How I created my  
first SwiftUI app ?

Find an idea you  
always wanted to create.



Start with  
Simple UI Designs





**swiftbengaluru**  
the revolution will be swift

# Learn the basics first

# Learn about Networking & Persistent Storage





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the revolution will be swift



Start  
Building in Public.

**The task is to get it done.**



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the revolution will be swift

Connect with the Community



Keep Building 



Connect

# Thank You

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Connect with Me ❤️