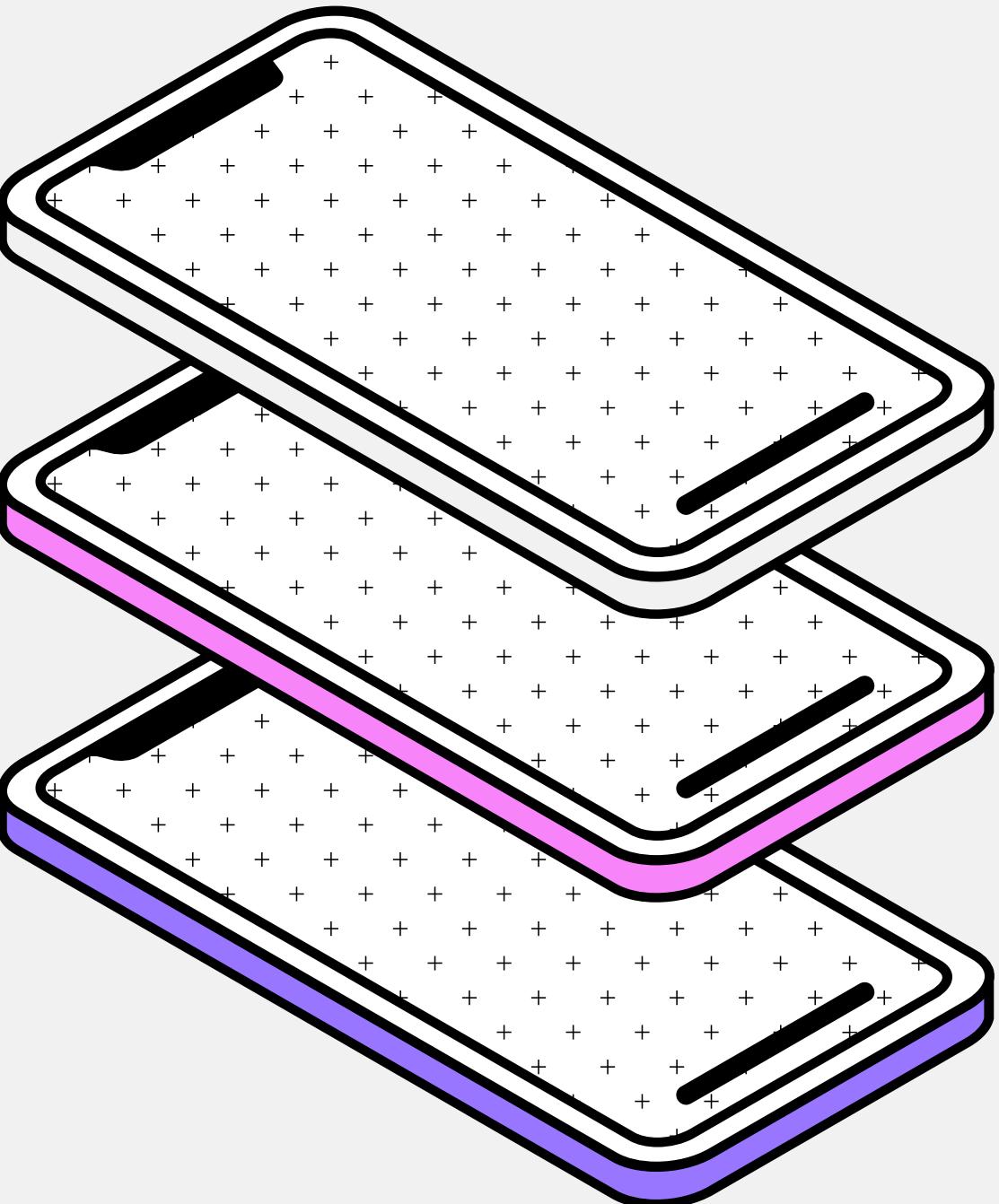




Demystifying App Development

Everything you need to know to get started with
App Dev





Android vs iOS



Android

Programming in Java/ Kotlin

Market Share 87%

Difficult to design

Infinite Customization

Avg Salary 9.1 LPA

iOS

Programming in Swift

Market Share 13%

Easier to design

Closed Environment

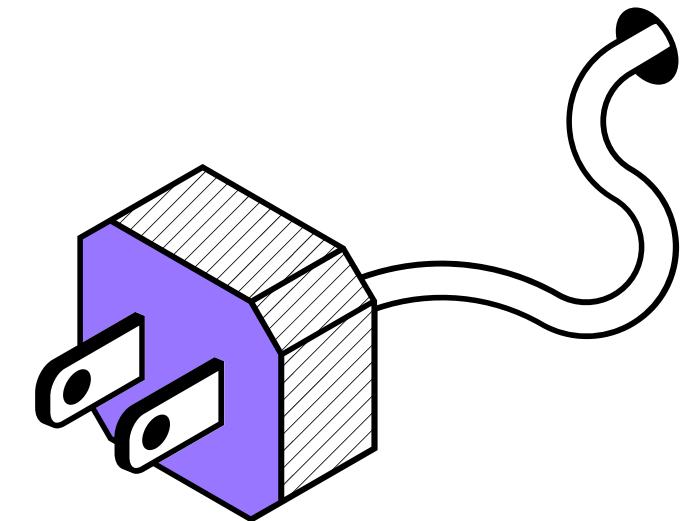
Avg Salary 10.4 LPA

Why not both?

Cross Platform Development

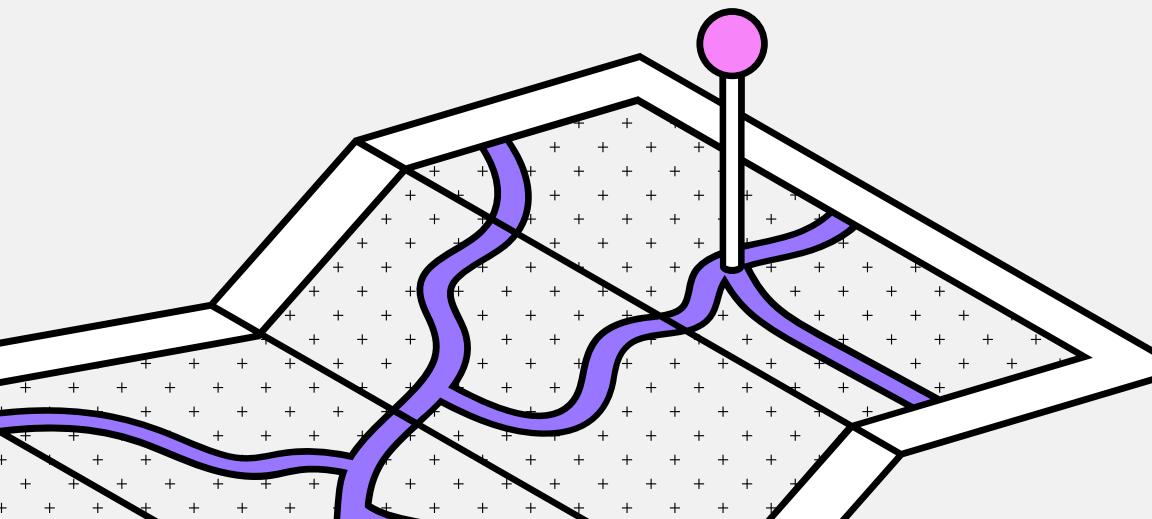
Write Once Run Anywhere

With cross-platform mobile app development, developers can build applications that can run on different platforms with one single code system. Since it is compatible with various mobile operating systems, the application can reach a broader audience. Its rapid development, turnaround time, and cost-effective quality make it very suitable for startups.

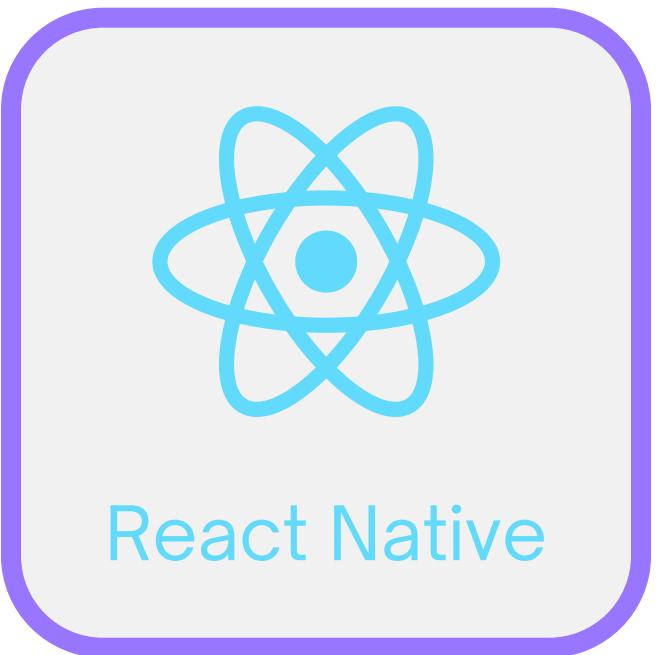


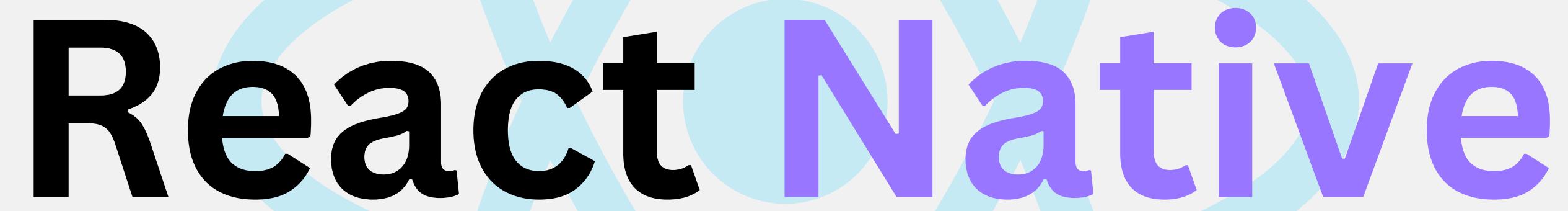
History of Cross-Platform Development

1990s	2000s	2009	2015	2017	Present
Emergence of platform independent languages like Java	Rise of Web Applications	Introduction of PhoneGap	Launch of React Native by Meta	Google introduces Fultter	Cross-Platform Apps booming into popularity



Popular Frameworks





ReactNative

The logo features the word "ReactNative" in a bold, sans-serif font. The letters "React" are in black, and "Native" is in purple. A large, semi-transparent light blue infinity symbol is positioned behind the text, with its loops forming a circular path around the letters.

Benefits

React Native



Hot Reloading

With React Native's hot reloading feature, developers can instantly see the changes they make to the code reflected in the app, speeding up the development process.

Native Performance

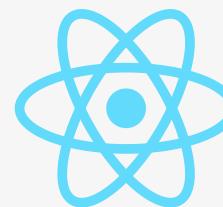
React Native utilizes native components, resulting in high performance and a native look and feel for the app.

Support for Third-party Plugins

React Native offers easy integration with third-party plugins, enabling developers to add a wide range of functionalities to their apps without starting from scratch.

Where to learn

Here are some resources to learn React Native



React Native

Documentation

<https://reactnative.dev/docs/getting-started>



Youtube Playlist

https://youtube.com/playlist?list=PLY3ncAV1dSVDec_5UARh1ONUljAJIfFGU

coursera

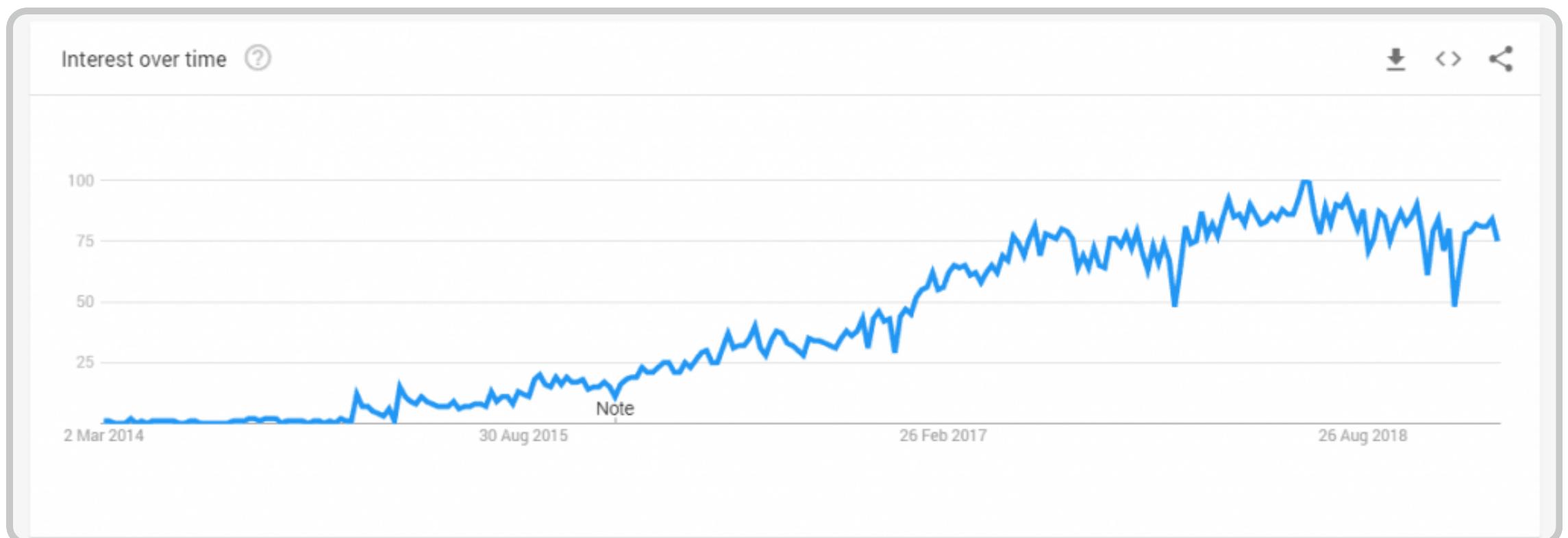
Coursera

<https://www.coursera.org/learn/react-native-course>

<https://medium.com/@softworthsolutionspvtltd/expo-vs-react-native-cli-7e47c7630039>

Use of React Native over time

As of January 2020



Bloomberg
Facebook
Uber Eats
Discord
Instagram
Skype
Pinterest
Salesforce
Baidu
Walmart
Wix
Shopify
Words with Friends
Vogue
NerdWallet

Here are some common Apps
that you use made with
React Native



Flutter
Dart

The logo features the word "Flutter" in a large, bold, black sans-serif font. Below it, the word "Dart" is written in a smaller, bold, magenta sans-serif font. The text is set against a background of three overlapping blue-to-white diagonal stripes that create a sense of motion.

Benefits of Flutter



Quick Learning Curve

The first pleasant surprise Flutter has for developers is just how quickly it is to get started. It takes less than 30 minutes to have a working development environment set up.

Live Reload

Flutter also provides a live reload mechanism, where the app code is reloaded on the device as soon as you hit “save.” This gives immediate feedback, making development a lot faster.

Performance

Since the Flutter framework is under active development, there are many places where performance optimizations can be made. This is evident in, for example, Flutter 1.17, which increased rendering performance by up to 50% on newer iOS devices, and decreased memory consumption by up to 70% for certain types of workloads.

Where to learn

Here are some resources to learn Flutter



Documentation

<https://docs.flutter.dev/get-started/install>



Youtube Playlist

<https://youtube.com/playlist?list=PL4cUxeGkcC9jLYyp2Aoh6hcWuxFDX6PB&si=u0YBl9pguX1yhQV5>



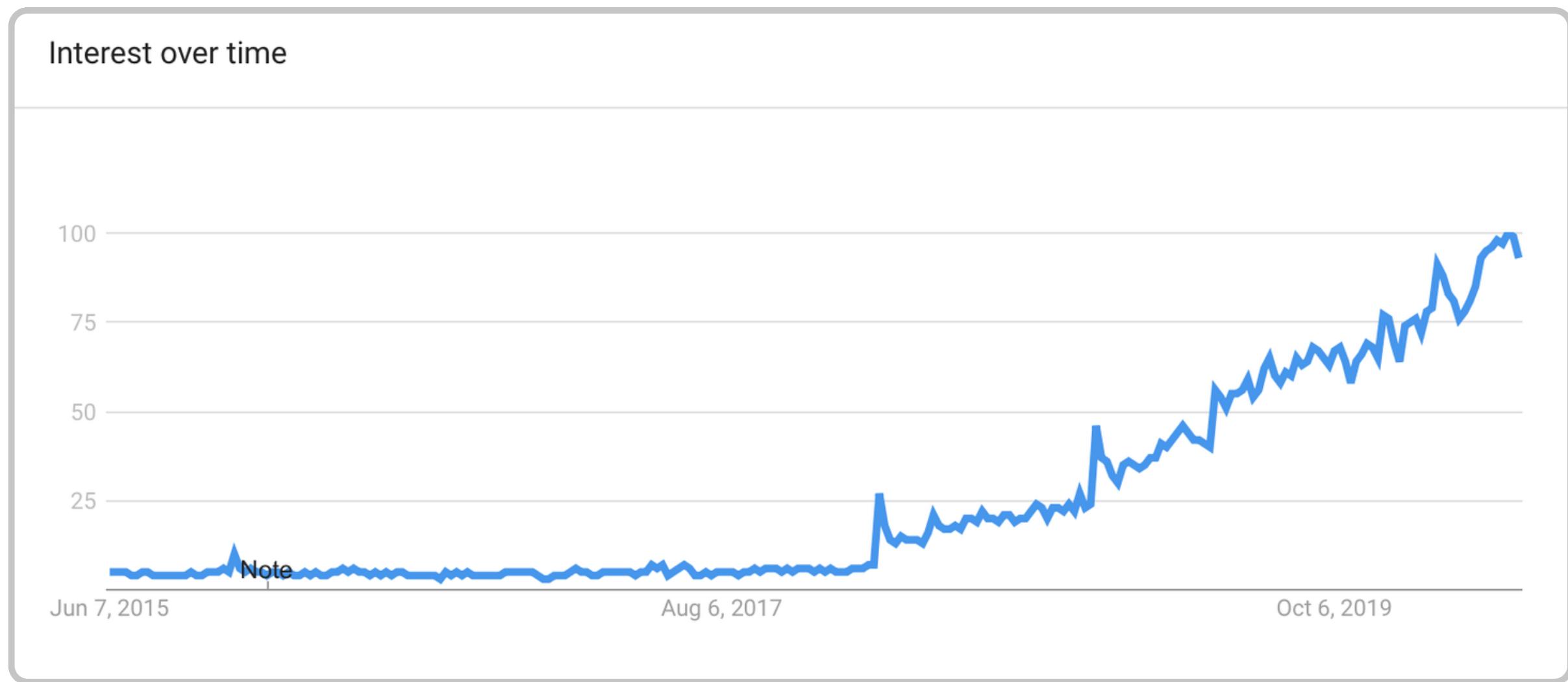
Udemy

<https://www.udemy.com/course/learn-flutter-beginners-course/>

<https://github.com/CoderUni/FlutterResources>

Use of Flutter over time

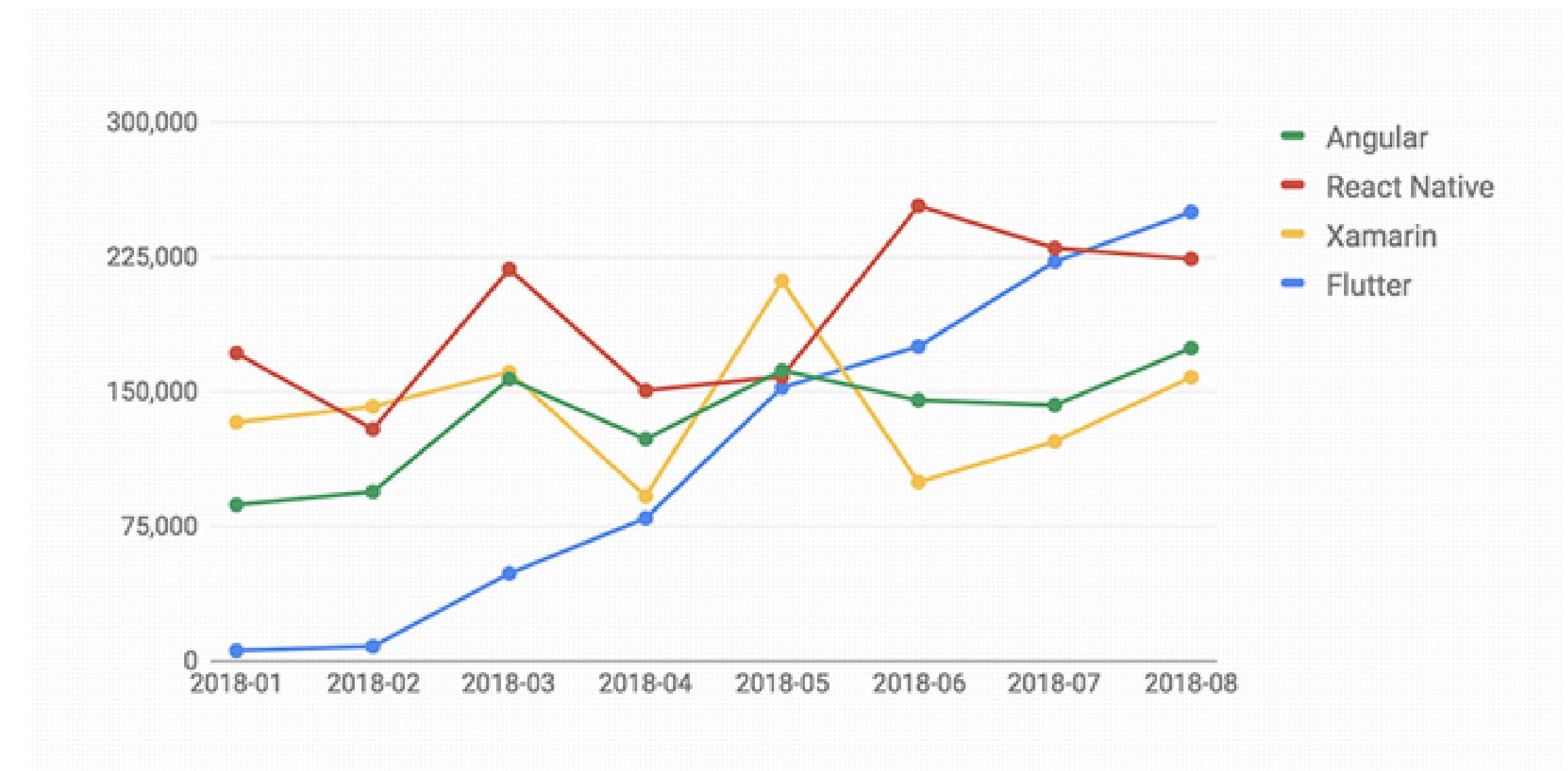
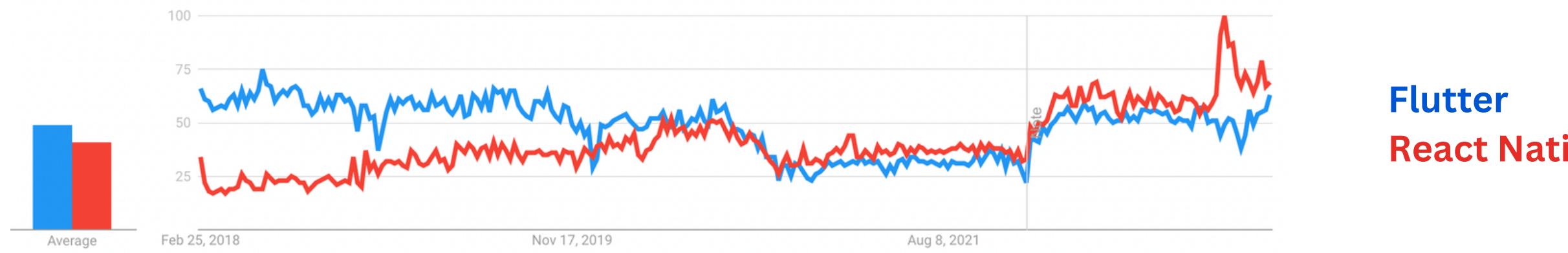
As of January 2020



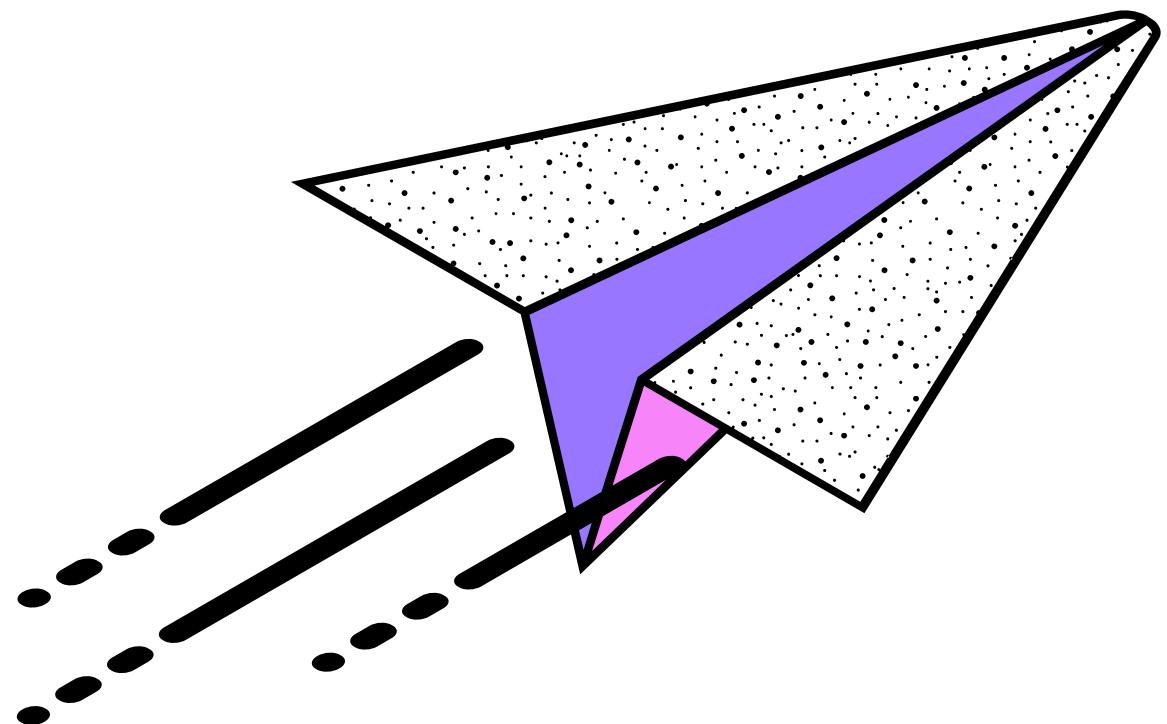
Google Ads
Stadia
Google Pay
SpaceX Go
eBay Motors
iRobot
Groupon
Rive
BMW
Crowdsource
Toyota
Etsy
Philips Hue
Fastic
GoodHabitz

Here are some common Apps that you use made with Flutter

So which should you choose?



Steps to become an expert



Learn the fundamentals

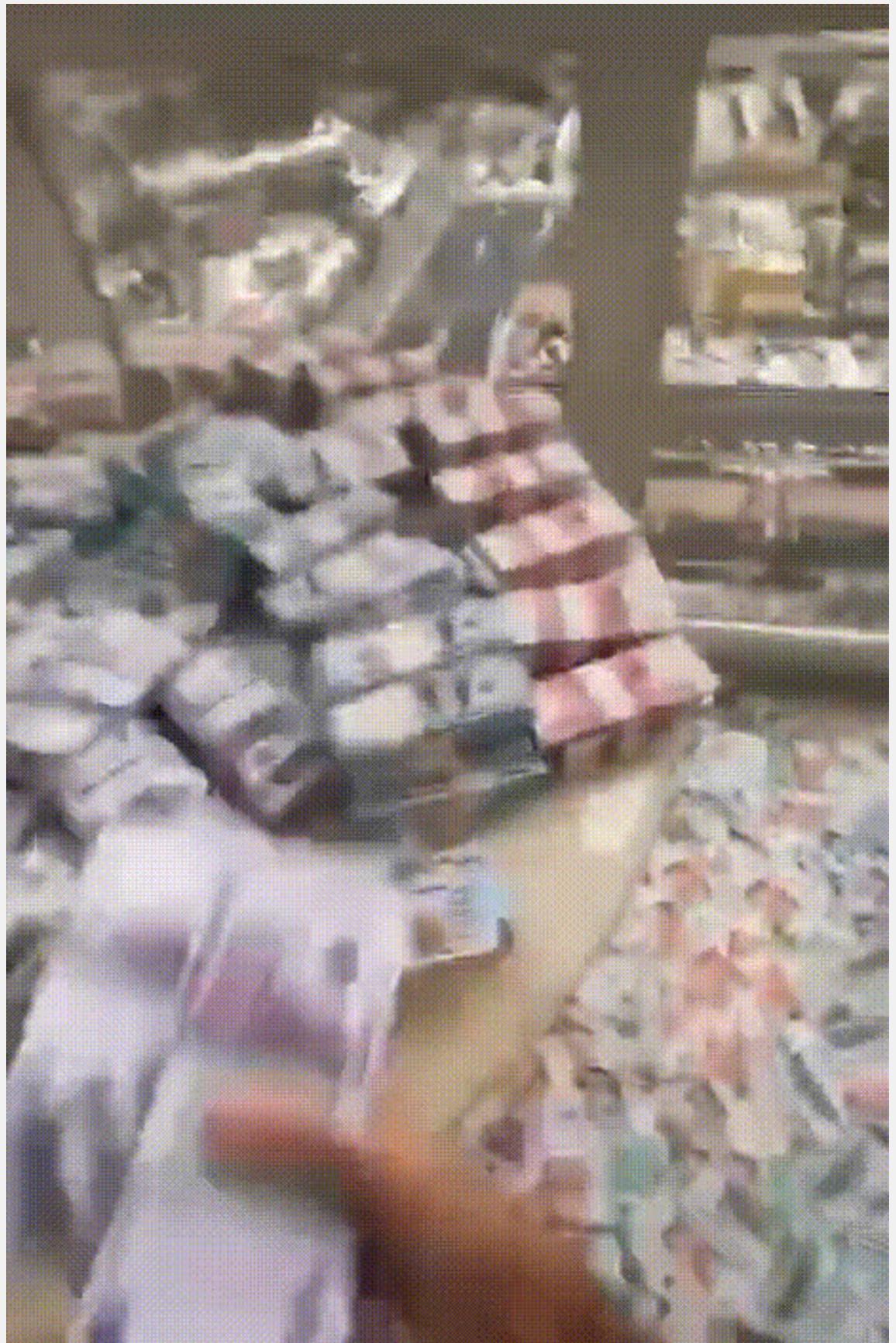
Choose a platform

Choose a framework

Learn the basics

Build Projects

Get Hired



You guys after you know
App Development :)



Do you have any questions?

We hope you learned something new.