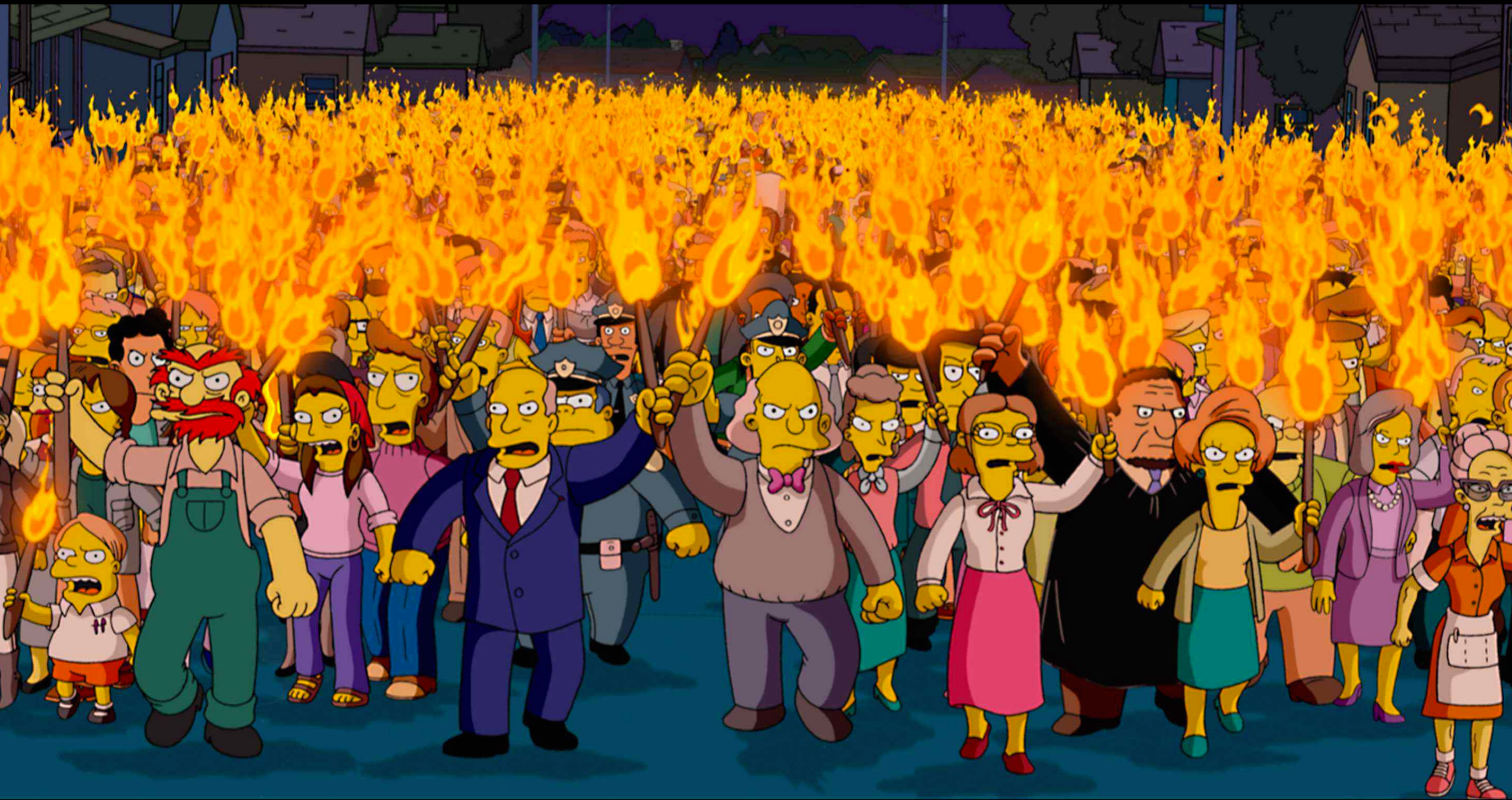




Mobile Automation Made

Awesome.

Why test?



The Beaten Path

iOS

calabash-ios

Frank

UIAutomation

ios-driver

KeepItFunctional

Android

calabash-android

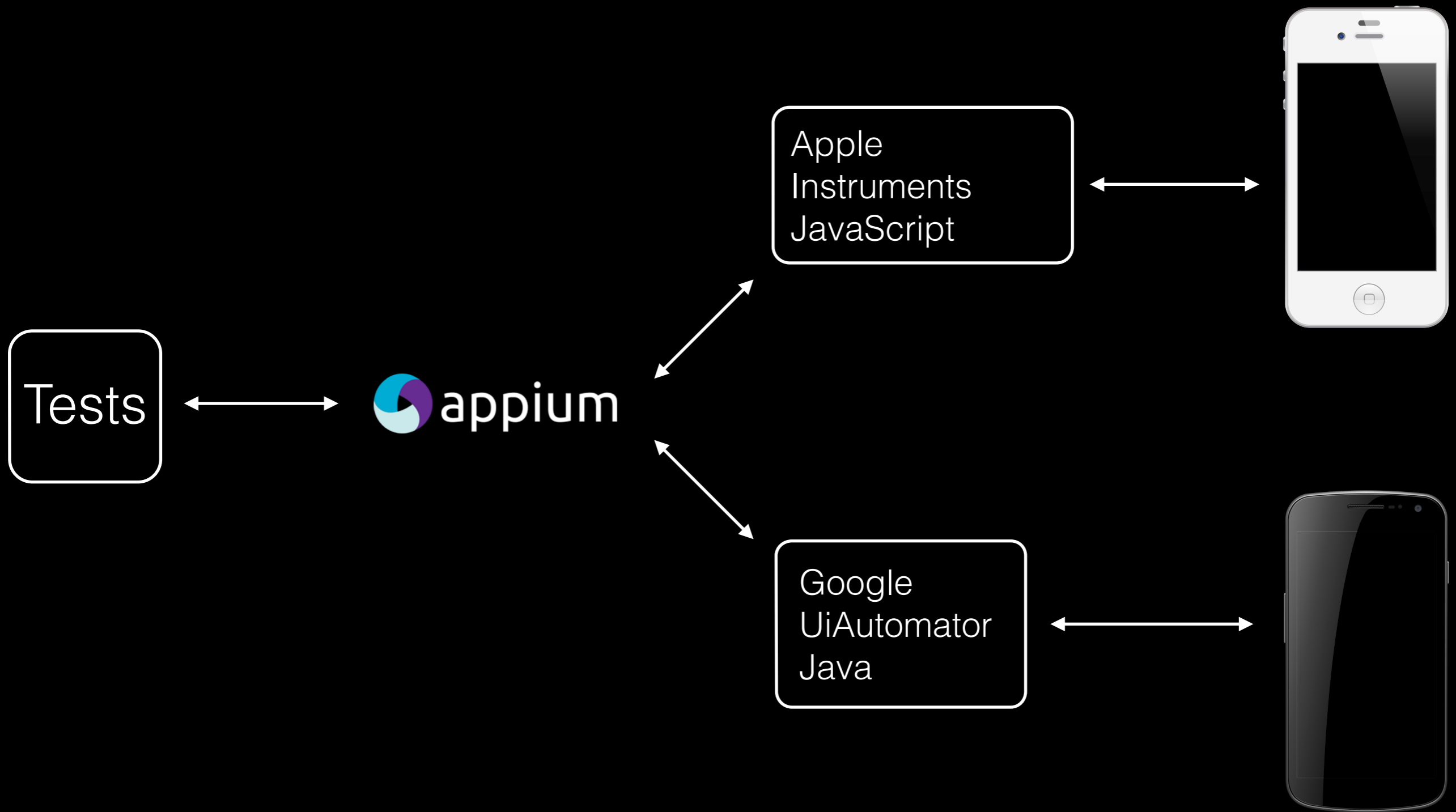
MonkeyTalk

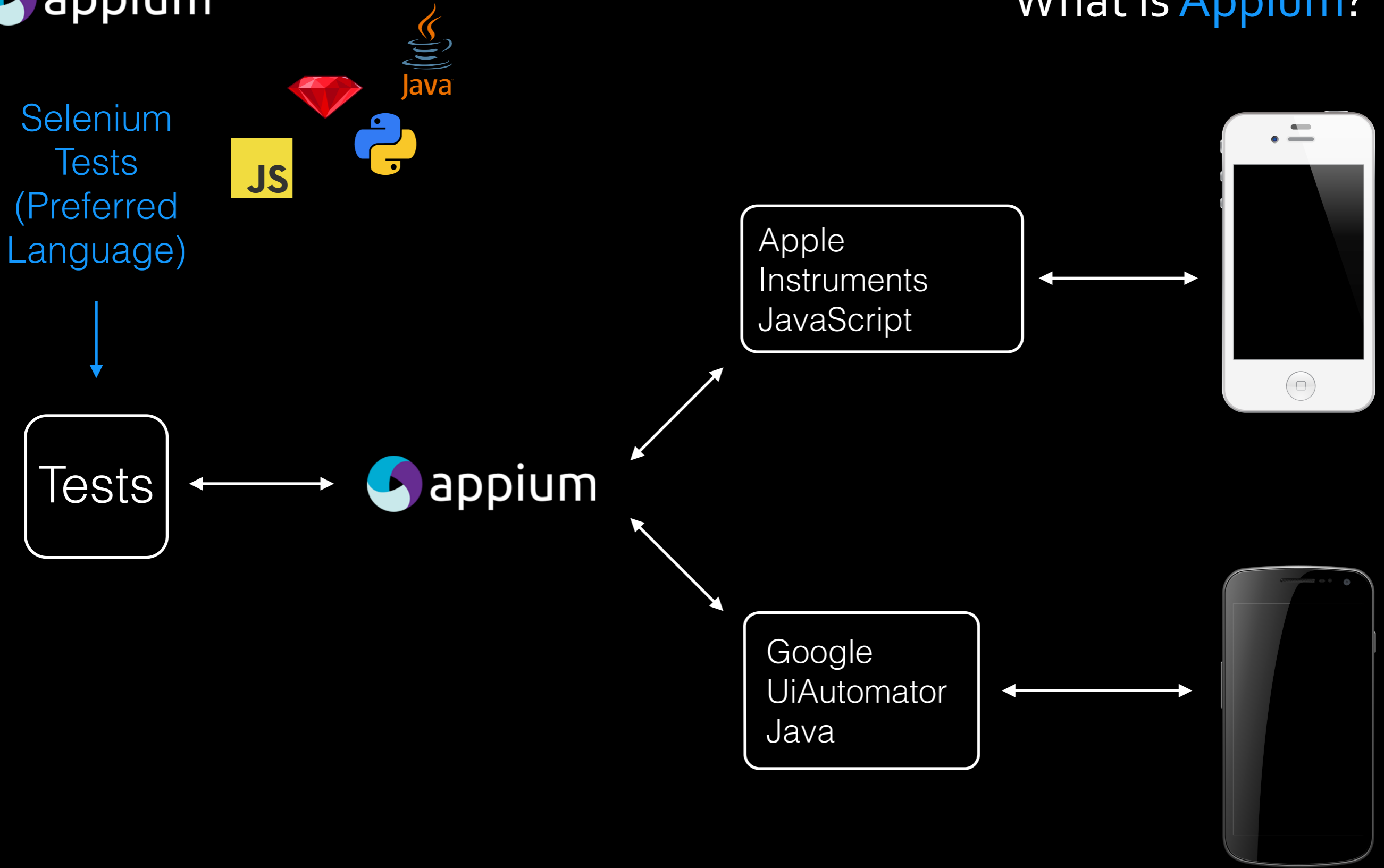
Robotium

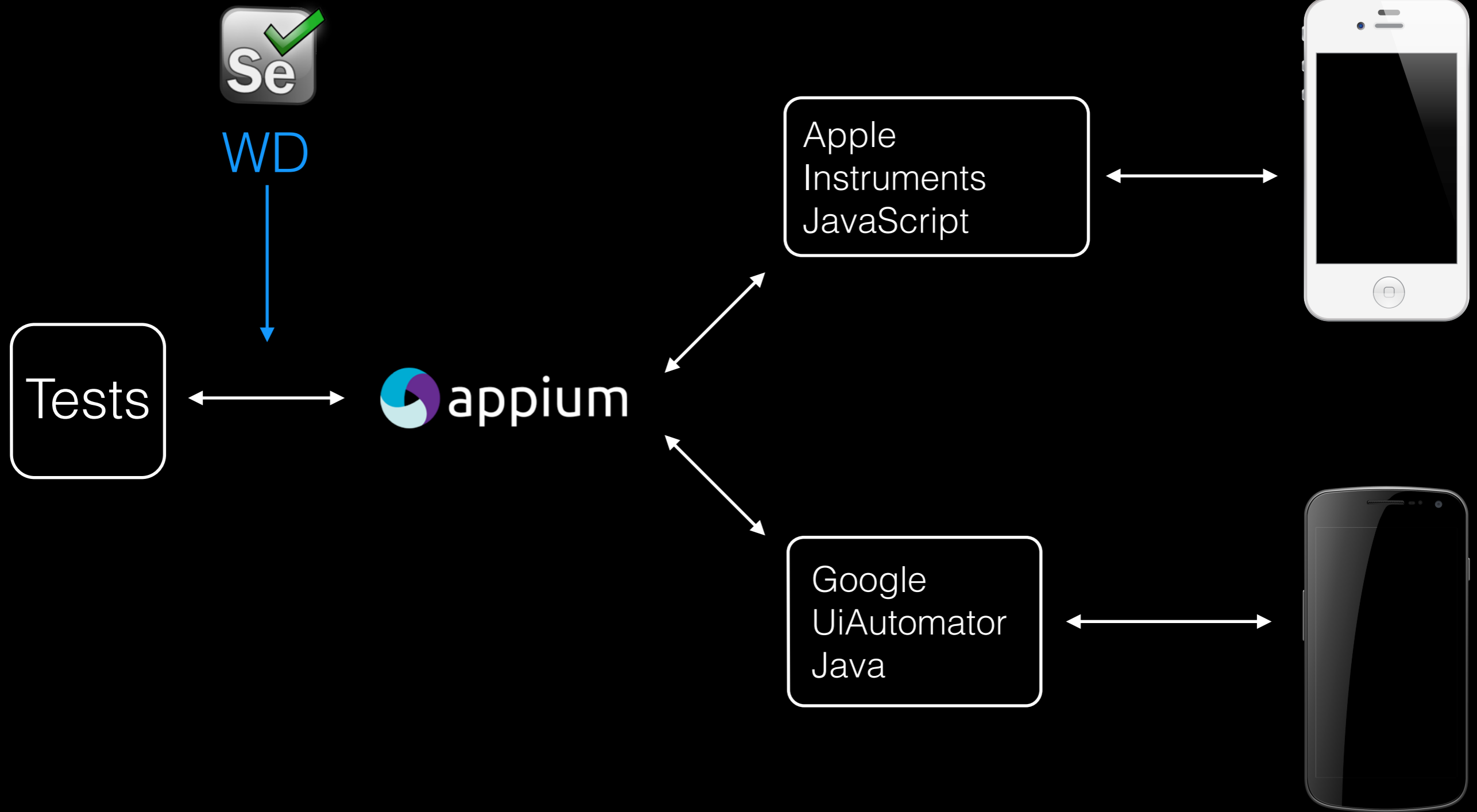
UIAutomator

selendroid

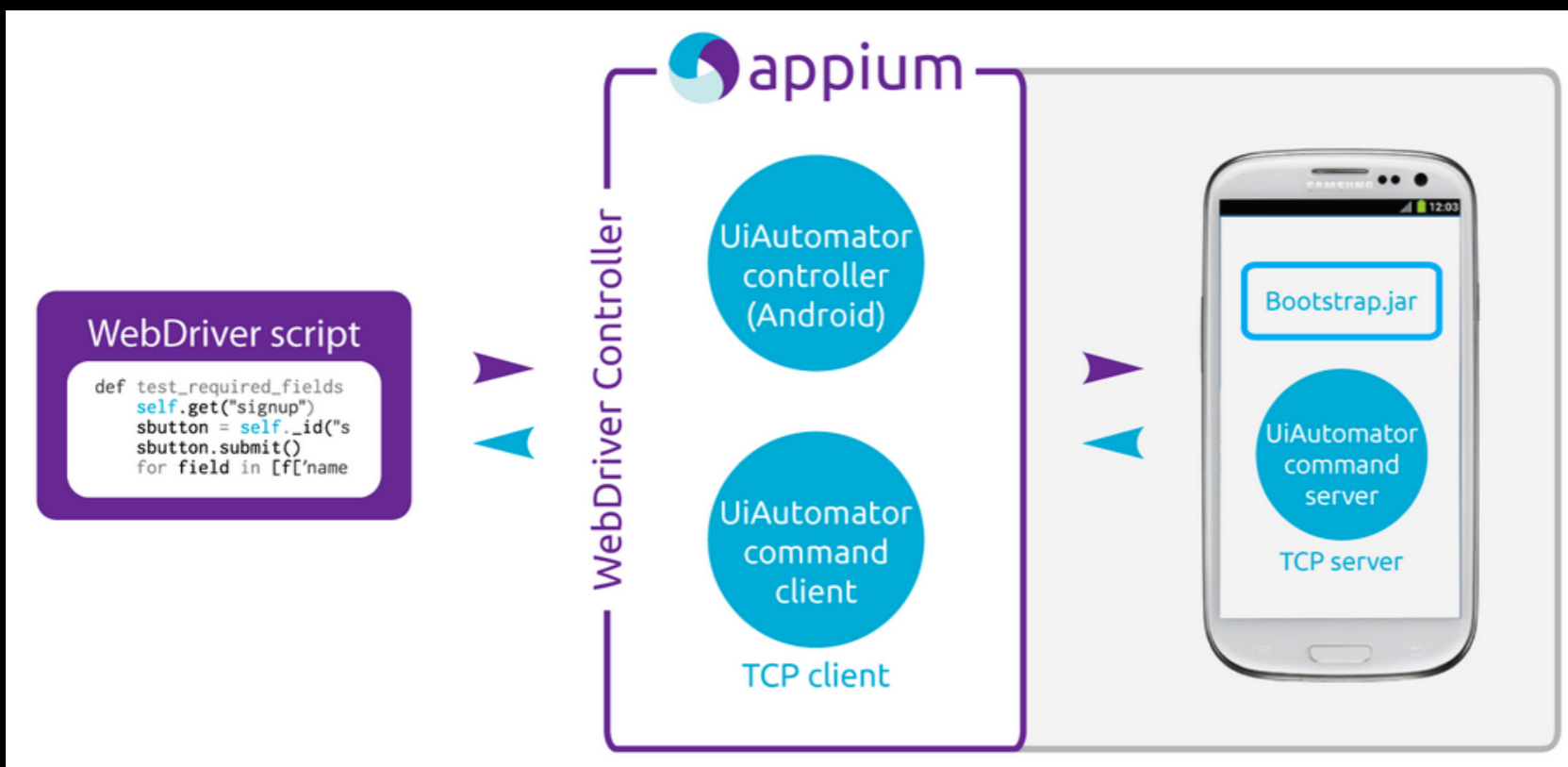
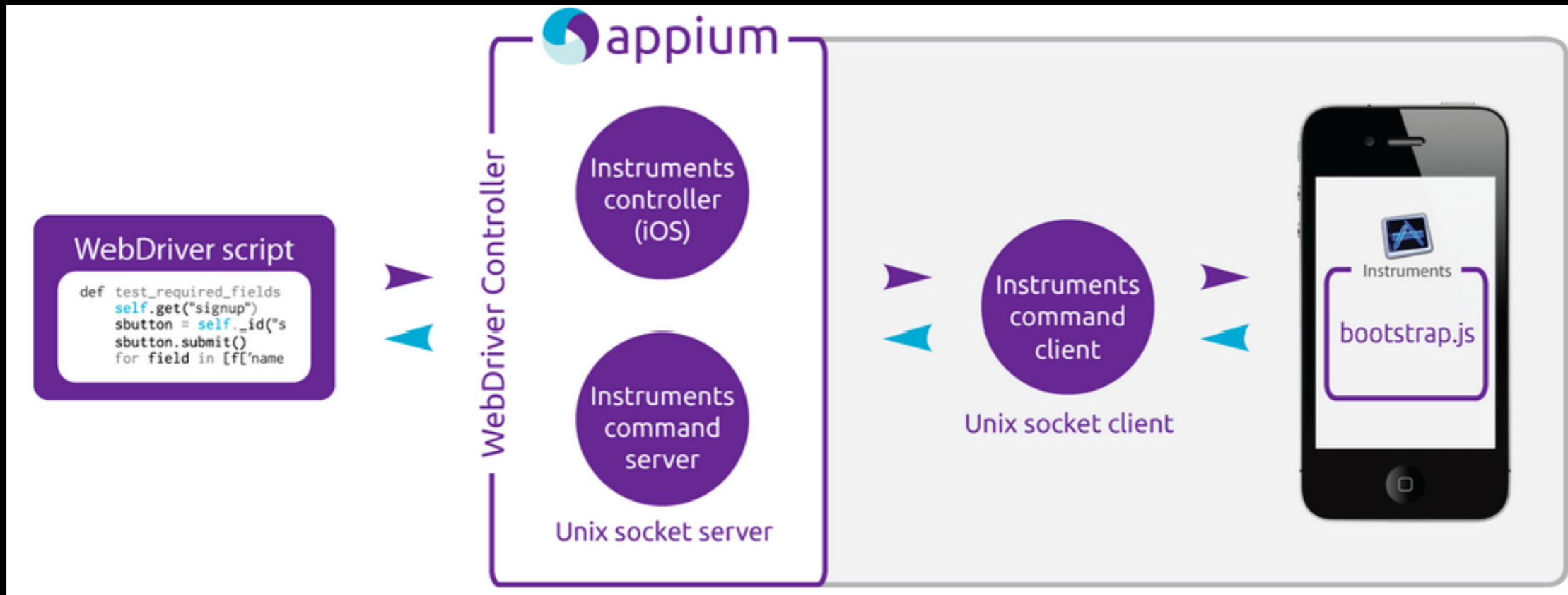
What is Appium?





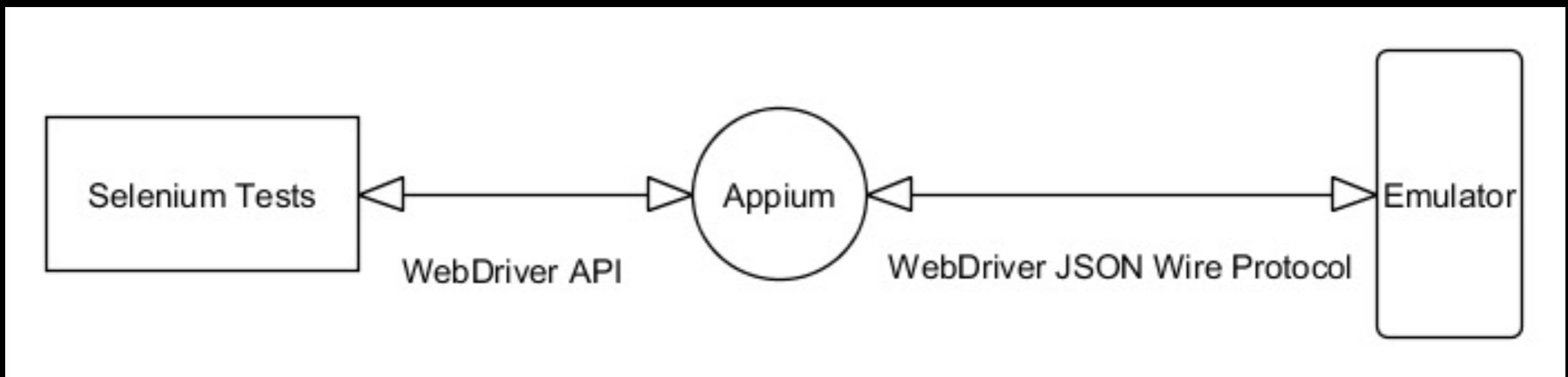


- HTTP server written in node.js
- creates and handles multiple WebDriver sessions
- for different platforms like iOS and Android



Selenium WebDriver

JSON Wire Protocol



Appium Capabilities:

- Tap
- Fill in forms
(type text, selects, radios, checkboxes)
- Gestures
- Multitouch

POST

`/session/:sessionId/element/:id/click`

Click on an element.

POST

`/session/:sessionId/touch/scroll`

Scroll on the touch screen using finger based motion events.

DELETE

`/session/:sessionId/cookie/:name`

Scroll on the touch screen using finger based motion events.

GET

`/session/:sessionId/touch/alert_text`

Gets the text of the currently displayed JavaScript alert(), confirm(), or prompt() dialog.

The Appium Way

1. Test the same app you submit to the marketplace.



Tests

appium

Apple
Instruments
JavaScript

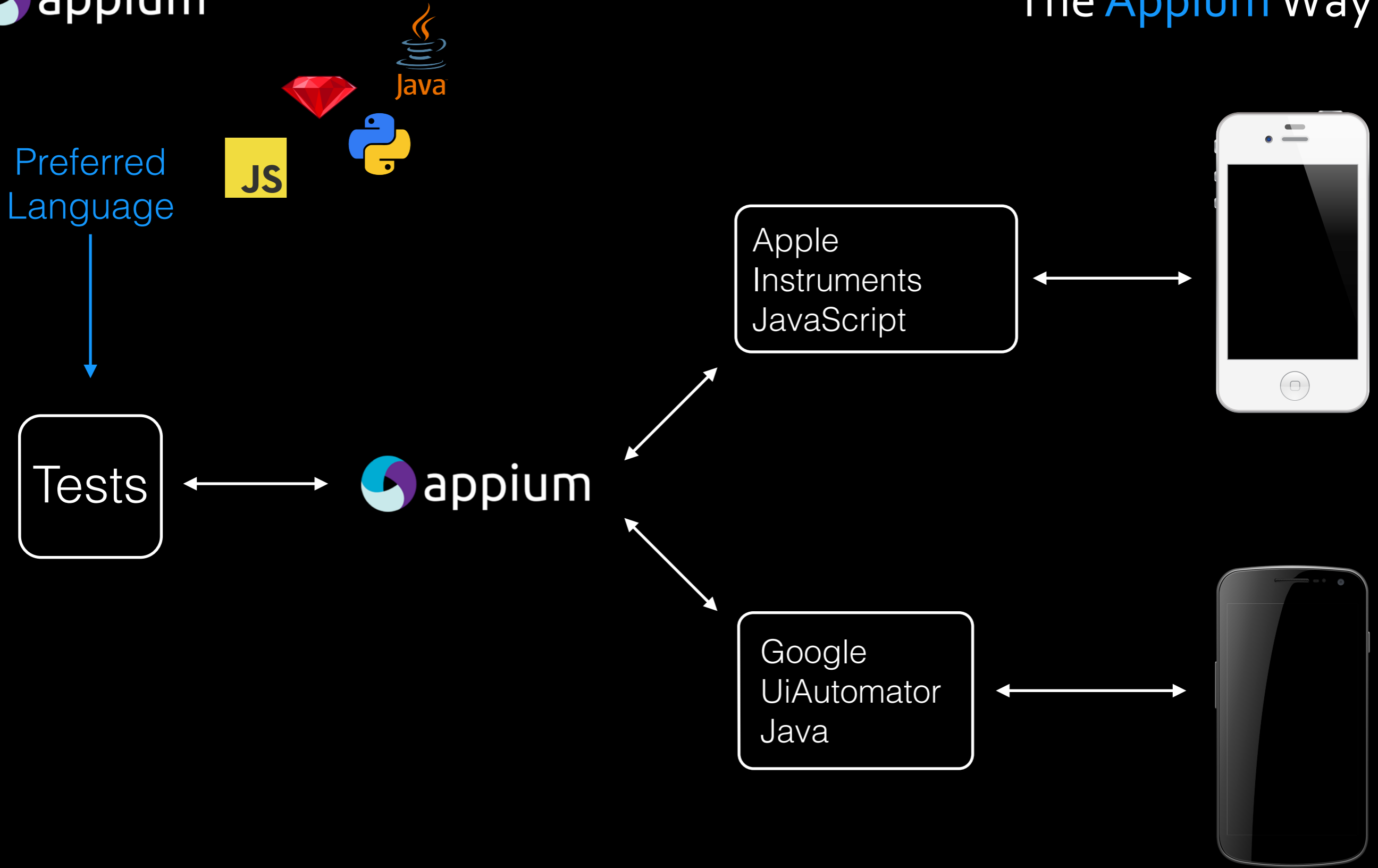
Google
UiAutomator
Java



1. Test the same app you submit to the marketplace.
2. Write your tests in any framework, using any language.
(Python, Ruby, JS — Node.js, Obj-C, Java)



The Appium Way



1. Test the same app you submit to the marketplace.
2. Write your tests in any framework, using any language.
(Python, Ruby, JS — Node.js, Obj-C, Java)
3. Use a standard automation specification and API.
(SE WebDriver)

1. Test the same app you submit to the marketplace.
2. Write your tests in any framework, using any language.
(Python, Ruby, JS — Node.js, Obj-C, Java)
3. Use a standard automation specification and API.
(SE WebDriver)
4. Build a large and thriving open-source community effort.

Install Appium

```
$ brew install node           # get node.js
$ npm install -g appium       # get appium
$ npm install wd              # get appium client
$ appium &                    # start appium
$ node your-appium-test.js
```

Writing Tests

Jasmine, Mocha, Cucumber

```
// capabilities for iOS simulator
var capabilities = {
  browserName: "",
  autoWebView: true,
  platformName: "iOS",
  platformVersion: "7.0.3",
  deviceName: "iPhone 5",
  app: path.resolve("../platforms/ios/build/emulator/myApp.app")
};
```

```
// capabilities for Android emulator
var capabilities = {
  browserName: "",
  platformName: "android",
  deviceName: "My Android Virtual Device",
  app: path.resolve("../platforms/android/build/myApp.apk")
};
```

Code

To Be Continued...

Thank *you.*