



Mobile Automation Made

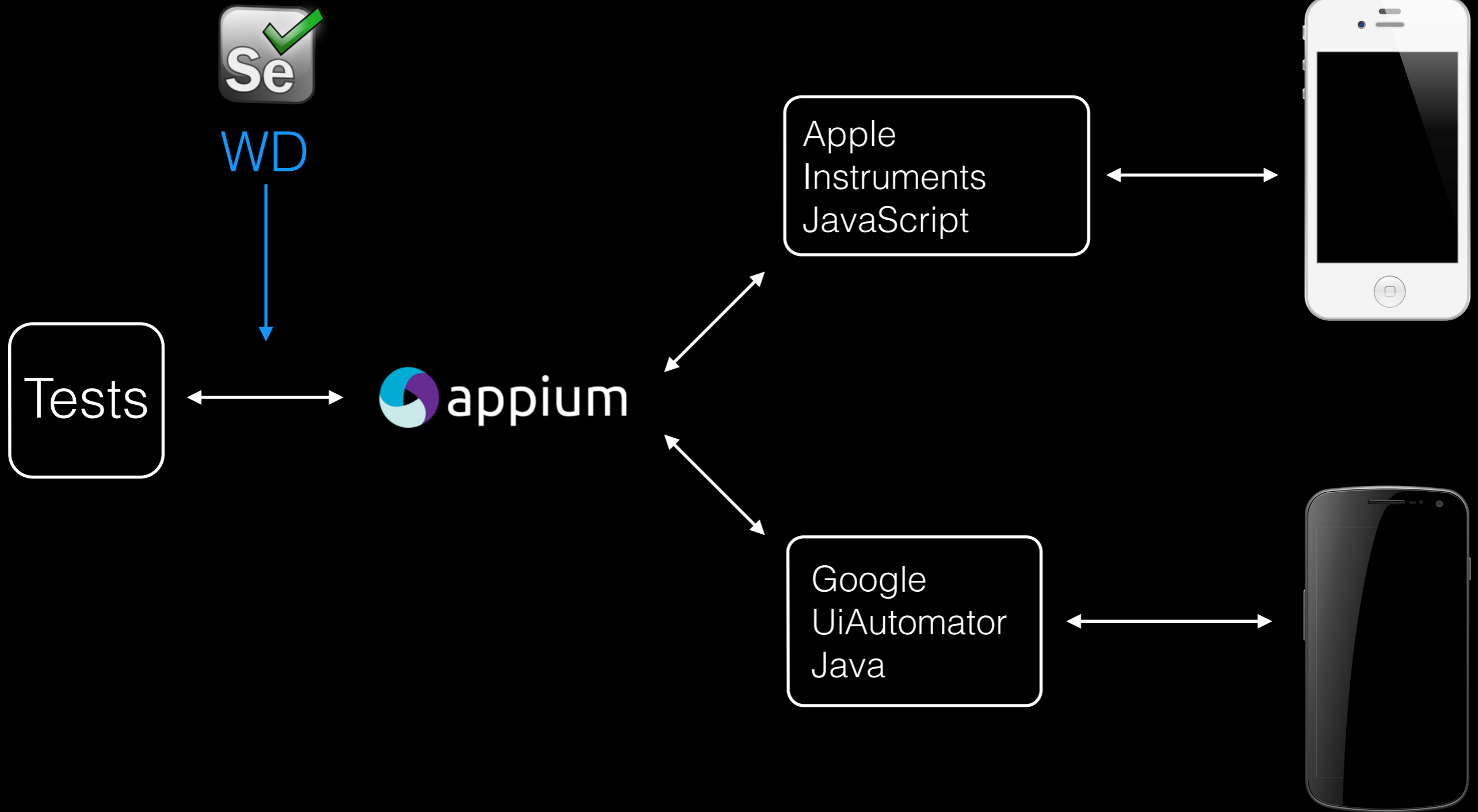
Awesome.

Part II

Where **Were** We?

What is Appium?

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



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.
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.

Testing JavaScript

1. CucumberJs

- Based on Cucumber (Ruby 2008, JS 2011),
- Gherkin (BDD vs TDD),
- Non-technical staff to write specs.



2. Jasmine

- 2010,
- Widely used,
- AngularJs,
- Previously covered in tim.js talks.



3. Mocha.js



- 2011 (according to GitHub),
- Wants to replace Jasmine (~~because “it’s too bloated”~~),
- Chai.js.

See it in Action

- iOS
- Ionic Tabs
- Mocha + Chai



- Selenium-Webdriver <https://github.com/admc/wd>
- CucumberJS: <https://github.com/cucumber/cucumber-js>
 - > <https://github.com/cucumber/cucumber/wiki/Gherkin>, Given-When-Then
 - > About CucumberJS, TDD vs BDD. <http://custardbelly.com/blog/blog-posts/2014/01/08/bdd-in-js-cucumberjs/>
 - > TDD settles for tests, BDD enforces story telling format - <http://programmers.stackexchange.com/questions/135218/what-is-the-difference-between-bdd-and-tdd>
 - > OSX configuration: <http://www.stephenbartholomew.co.uk/blog/2013/12/14/automated-ui-testing-with-cucumber-for-cordova-phonegap-apps/>
- Jasmine: <http://jasmine.github.io>
 - > Jasmine vs. Mocha <https://github.com/yeoman/yeoman/issues/117>
- Mocha: <http://mochajs.org>, <https://github.com/mochajs>
 - > Chai <http://chaijs.com/>
 - > Chai-as-promised, <https://github.com/domenic/chai-as-promised/>
- Ionic Tabs: <https://github.com/driftyco/ionic-starter-tabs>
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Thank *you.*