



Full Stack JavaScript Development for
Mobile with BACN

Changing Landscape for Enterprises

Challenges

- ◆ Enterprises needed a mobile strategy yesterday and need to iterate quickly
- ◆ Increasingly needing to support multiple devices or “channels” concurrently at the same level
- ◆ An army of web development developers and very few mobile that need to be somehow leveraged

Disruptors

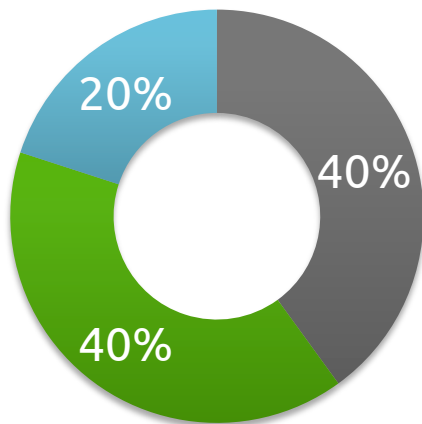
- ◆ HTML5 continually improves to help meet mobile use cases
- ◆ Acceptable tradeoff of optimal UX for lower cost of maintenance and development
- ◆ New emerging development frameworks



A Prediction for Mobile

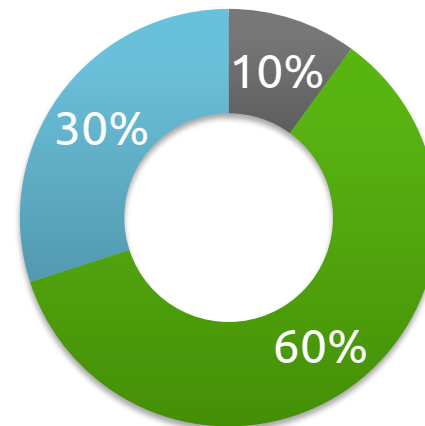
By 2015...

Consumer Mobile



■ Native
■ Hybrid
■ Mobile Web

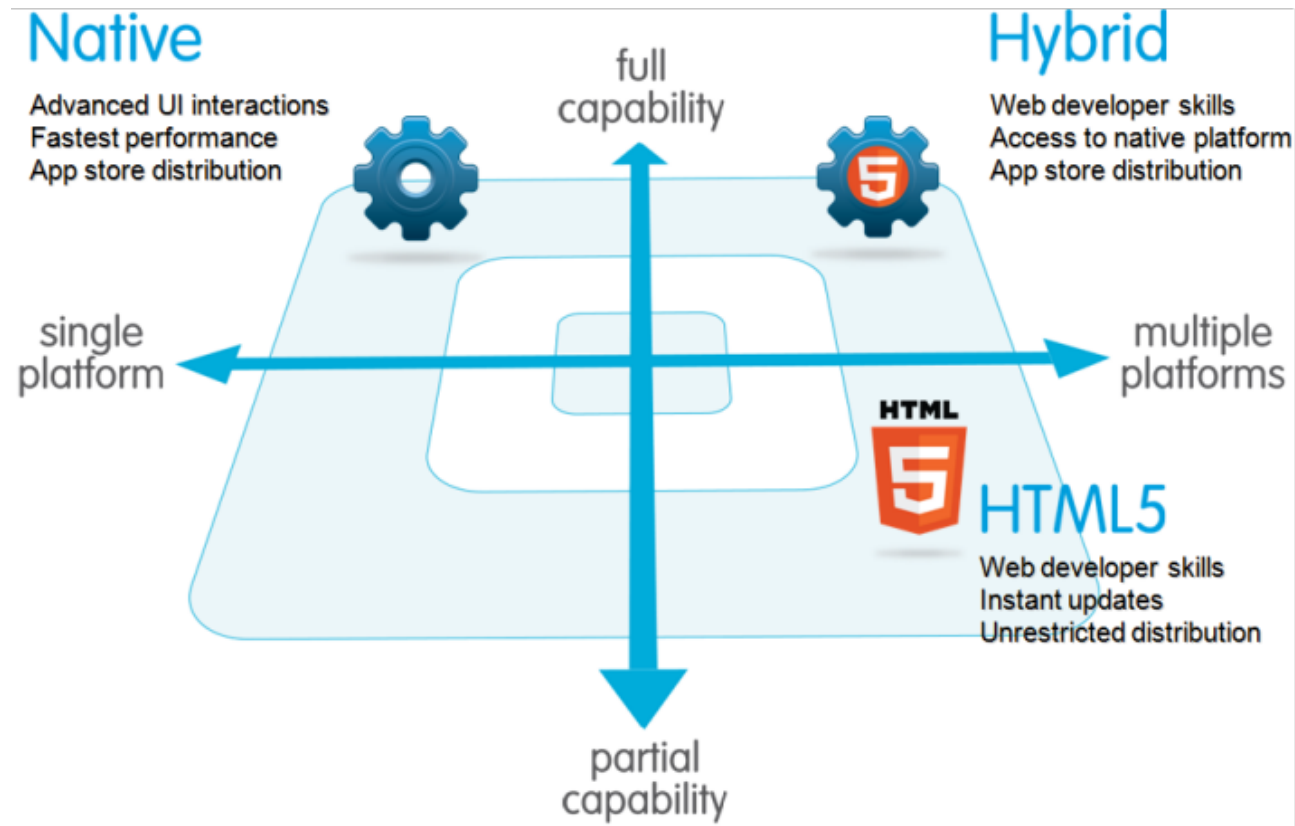
Enterprise Mobile



■ Native
■ Hybrid
■ Mobile Web

Source: Gartner Nov 2012

Native vs. Mobile vs. Hybrid



How can the enterprise win?

Q

: *How can the enterprise develop hybrid mobile apps to meet the demands of the market and their users?*

A

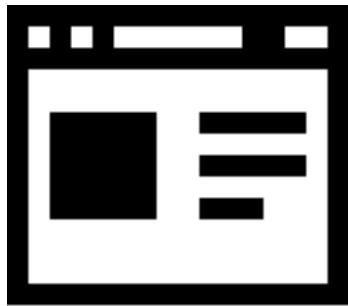
: *Full stack Javascript Development for Hybrid Mobile Apps*



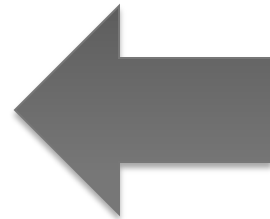
What is Full Stack JavaScript?

Typical Enterprise Web Stack

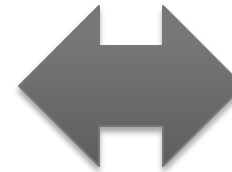
HTML, JS, CSS



Java, C++, Ruby, Python...



Server Side
Rendering



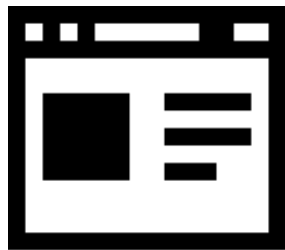
RDBMS



What is Full Stack JavaScript?

Full Stack JavaScript

Single Page Apps



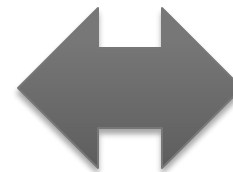
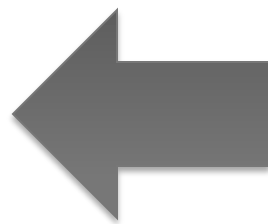
Server Side JavaScript
(Node.js)



JSON Document DB



JSON REST API



Advantages of Full Stack JS Development

$$1 + 1 + 1 = 1!$$

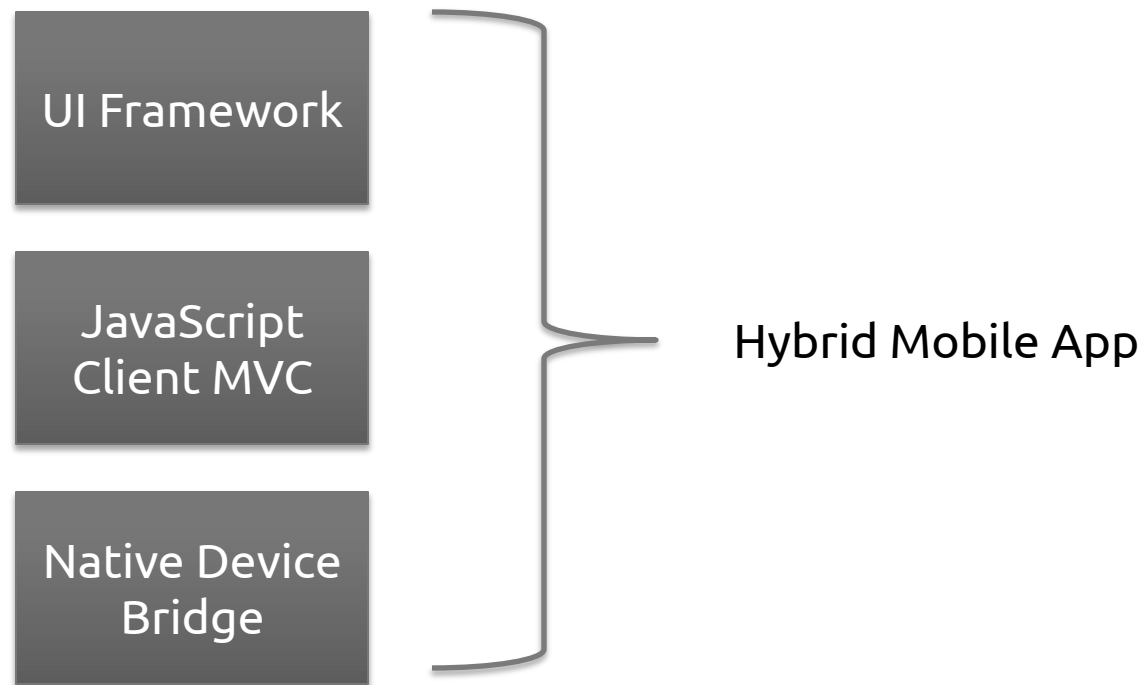
- ◆ A single developer from front end to back end
- ◆ A single dynamic scripting language
- ◆ A single object model expressed and persisted
- ◆ A single API that is utilized by multiple client devices



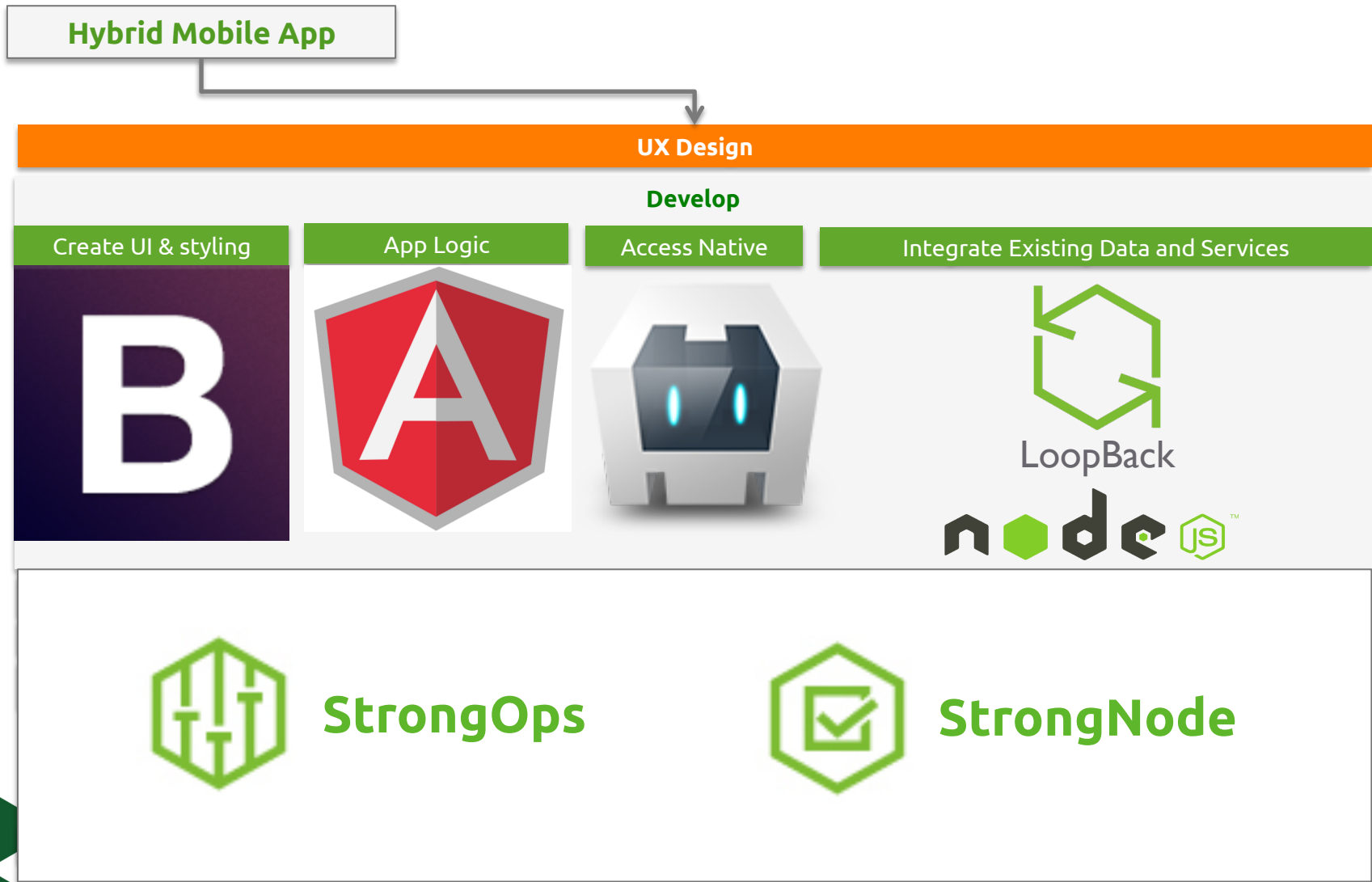
Introducing BACN

What is BACN?

- BACN is StrongLoop's solution to full stack JS dev
- BACN originated as Bootstrap-Angular-Cordova-Node
- BACN has become a full stack Javascript ideal comprised of key components for hybrid mobile



How BACN Works Conceptually



More on BACN

- StrongLoop believes full stack JavaScript development (BACN) will be the way of the future
- BACN has many permutations and implementations



To Learn More

Check out our blogs and products...

■ BACN

- <http://strongloop.com/strongblog/bacn-mobile-application-development-angularjs-nodejs-cordova-bootstrap/>

■ Full-Stack JavaScript Development for Mobile

- <http://strongloop.com/strongblog/mobile-app-development-with-full-stack-javascript-part-1-of-4-loopback/>

■ Loopback – A Full-Stack JavaScript Framework for Mobile

- <http://strongloop.com/mobile-application-development/loopback/>

