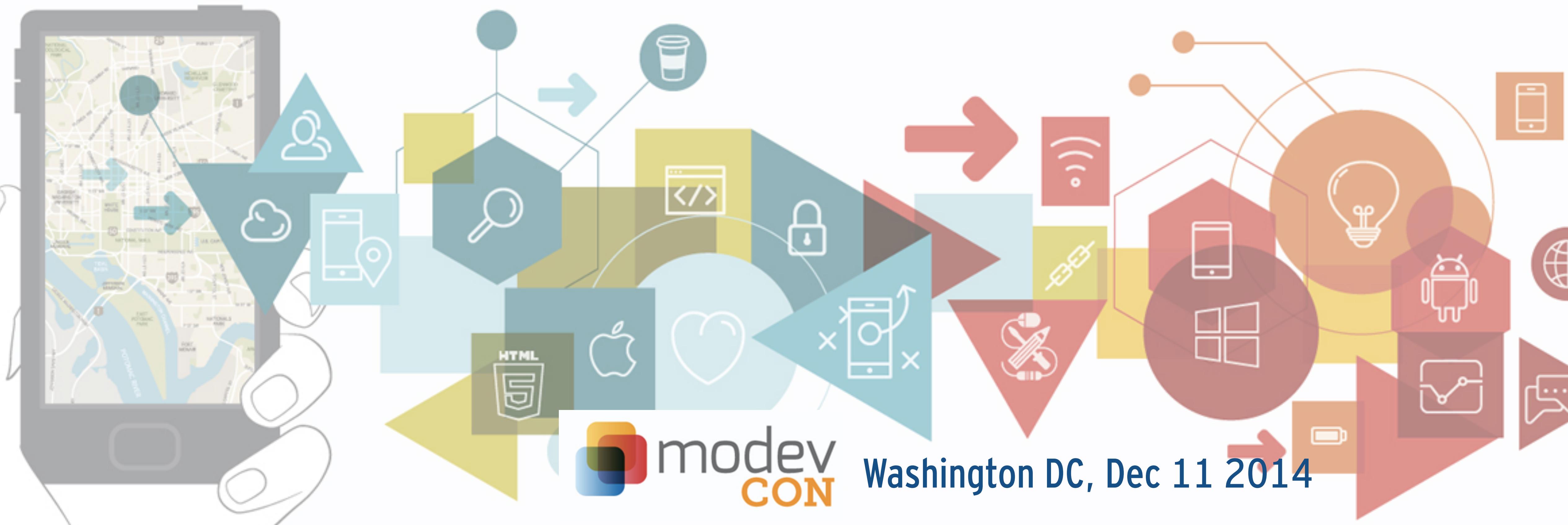




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trainer



YAHOO!



Linked in



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Référence

Mobil Web Programlama



移动网络程序设计

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jQuery Mobile: Up and Running

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jQuery Mobile. Aplicaciones HTML5 para móviles

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Programmare per il Web Mobile

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Programming the Mobile Web

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Programming the
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SECOND EDITION

Using HTML5 to Design Web Apps for Tablets and Smartphones



jQuery Mobile

Up and Running

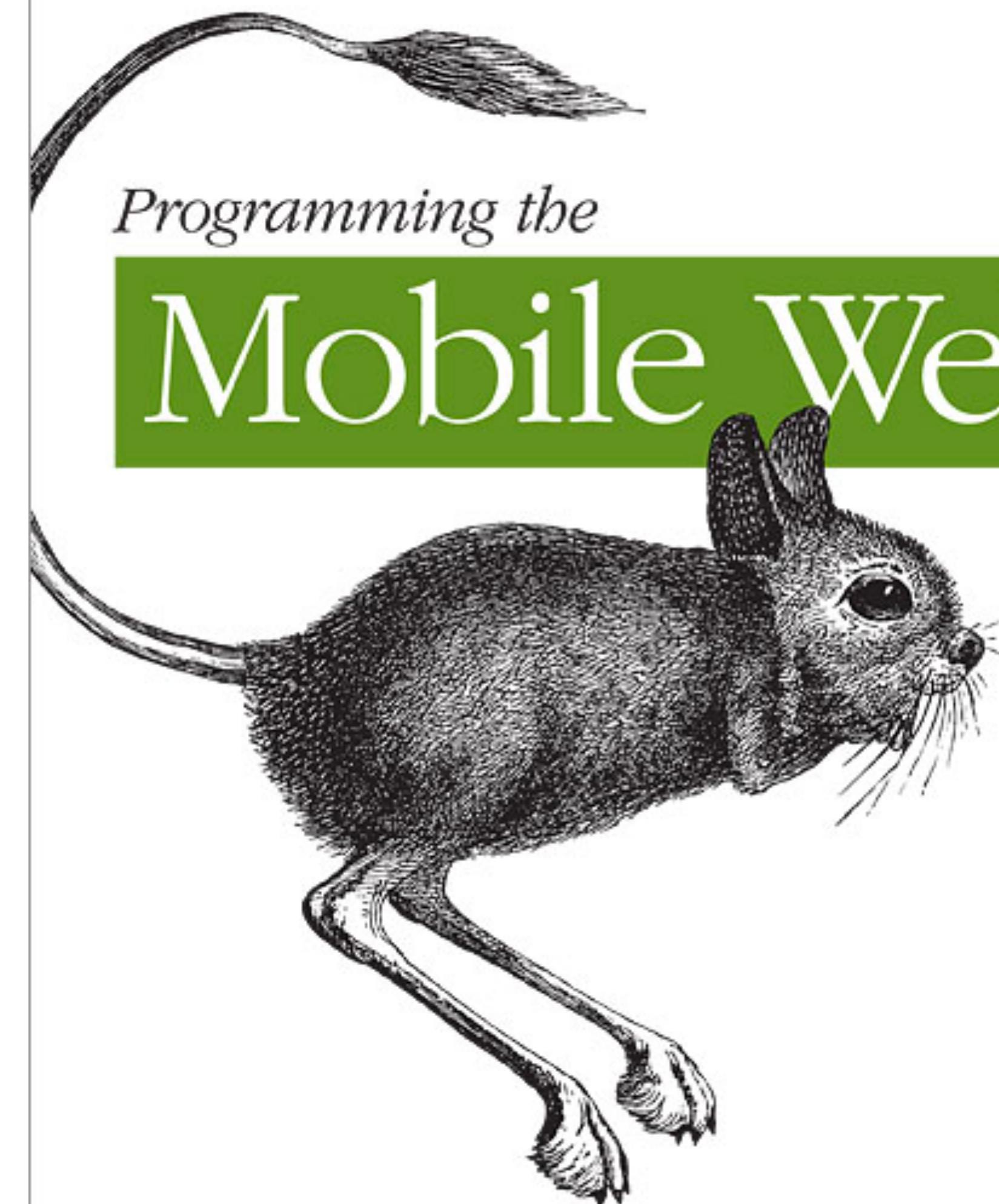
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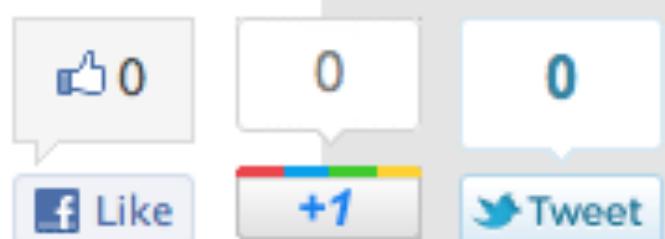
High Performance Mobile Web

BEST PRACTICES FOR OPTIMIZING
MOBILE WEB APPS



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MOBILE HTML



Do not program conditionals per platform or version. Always use feature detection.

This list is in progress. New tests, new features, more specificity of each feature and more mobile browsers soon!

If you want to help on the test, [contact me](#).

by [fir](#) | [Updates on Twitter](#) | [Blog](#)

Trying to understand HTML5 compatibility on mobile and tablet browsers

Feature	Safari on iOS	Android Browser		BlackBerry Browser		Internet Explorer	Opera		Firefox	webOS Browser	Symbian Browser
Version tested	iPhone, iPad	Phones (1.0-2.3)	Tablets (3.0+)	Phones	Tablet	Windows Phone	Mobile	Mini	Android		Nokia phones
Minimum version tested	3.2	1.5	3.0	5.0	1.0	9	11	5	6	1.4	^3
Application Cache W3C API Offline package installation.	✓	✓ 2.1+	✓	✓ 6.0+	✓		✓		✓	✓	
Web storage W3C API Persistent and session storage.	✓	✓ 2.0+	✓	✓ 6.0+	✓	✓	✓		✓	✓	
Web SQL storage W3C API (no active) Persistent SQLite storage.	✓	✓ 2.0+	✓	✓ 6.0+	✓		✓			✓	
Geolocation W3C API Geolocation & tracking using GPS, cells or Wi-Fi.	✓	✓ 2.0+	✓	✓ 6.0+	✓	✓	✓		✓	✓	
Multimedia W3C API Video & Audio Players	✓	✓ 2.3+	✓	✓ 7.0+	✓	✓	✓		✓	✓	
Server-Sent Events W3C API EventSource pattern to maintain the connection to the server open	✓ 4.1+						✓		✓		
Web Sockets W3C API New bidirectional protocol over HTTP	✓ 4.2+			✓ 6.1+	✓		✓		✓		

www.mobilehtml5.org

Links and workshop files
firtman.github.io/moddevcon

Before anything...

nodejs.org

questions

yes, please

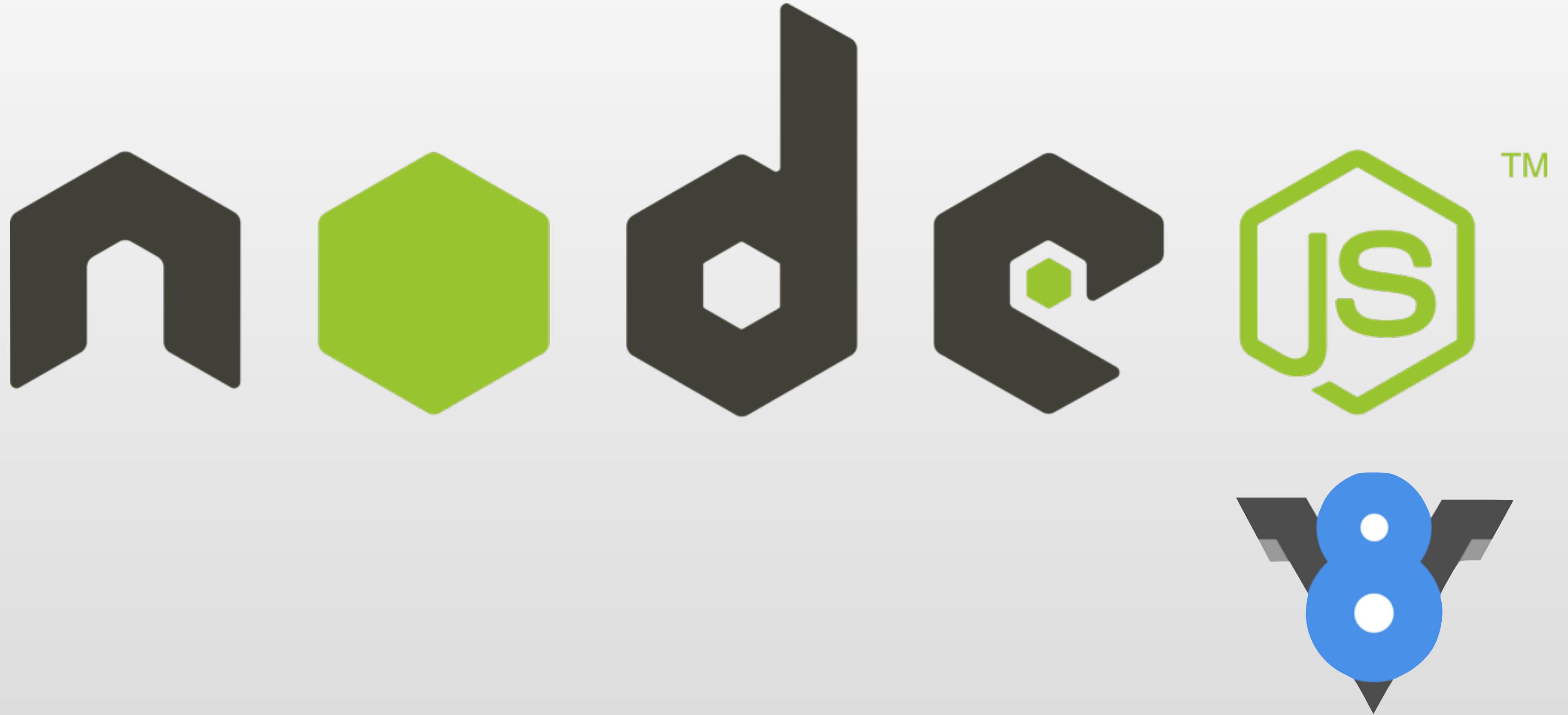
Anytime...

We will cover...

- 1- Node.js intro & usage
- 2- Basic examples
- 3- Web server examples
- 4- Web sockets
- 5- Hardware and IoT



1- node.js intro



What do you need to know?



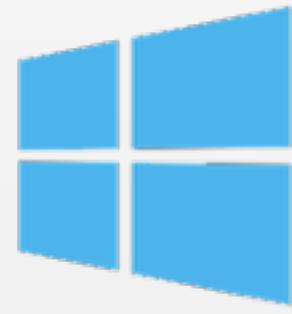
JS

What can we do with node?

Differences with JS we know

Links and workshop files
firtman.github.io/moddevcon

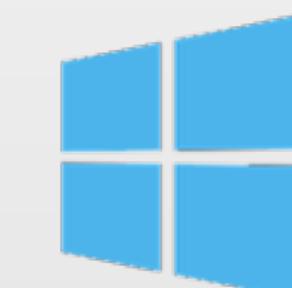
Console 101



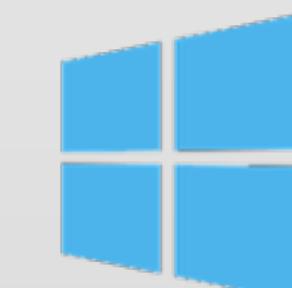
node.js command line



terminal



cd <directory>



dir



ls

cd ..

Code time!



npm install <name>
 > npm install cordova

```
npm install <name> -g  
> npm install express -g
```

```
sudo npm install <name> -g  
> sudo npm install express -g
```

package.json

npm init

```
npm install <name> --save
```

```
> npm install express --save
```

npm install

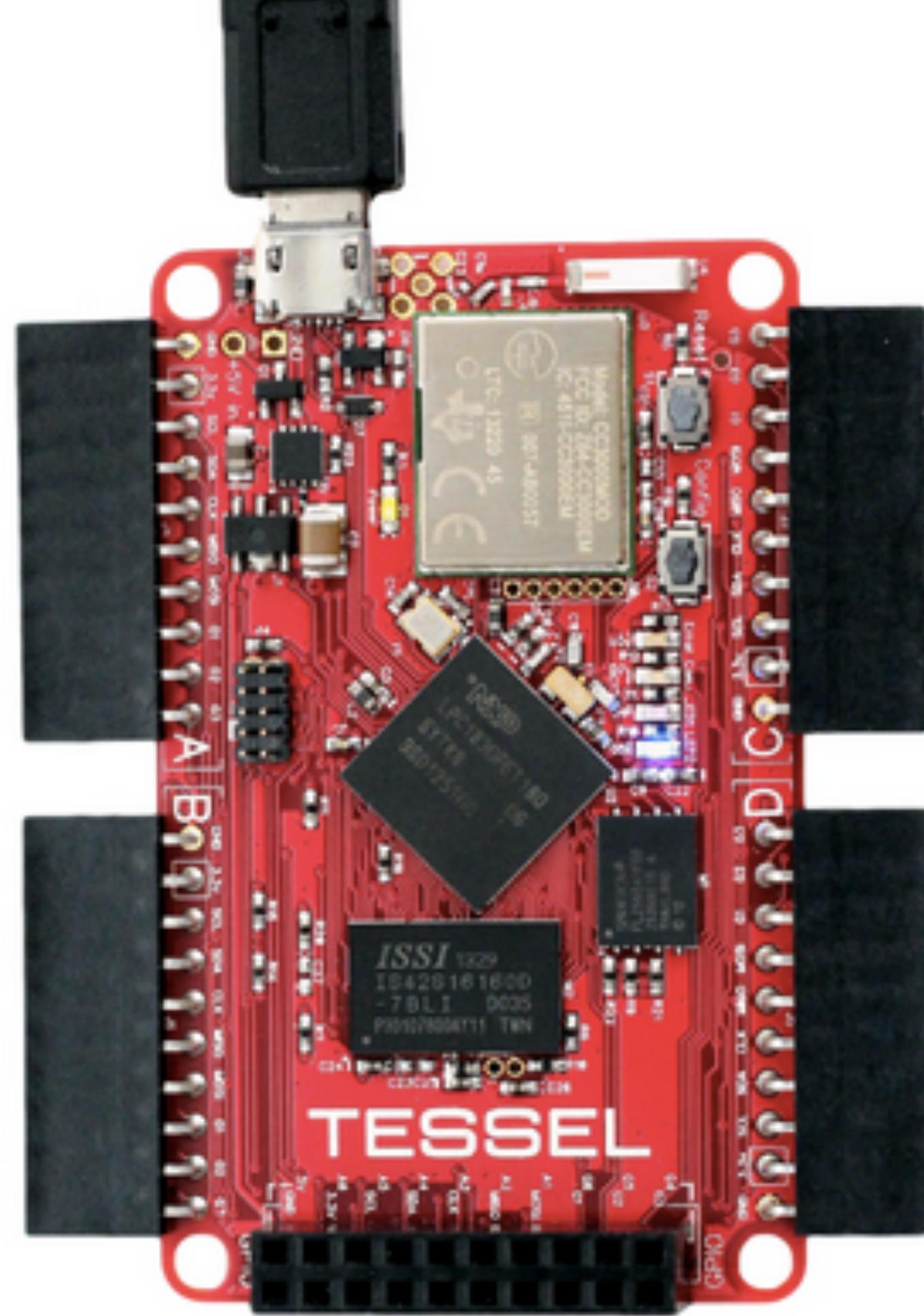
npm update

Code time!

Hardware and IoT

hardware

tessel.io



Hardware development for
software developers.

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Get started with your Tessel!

[See Tessel projects →](#)

Tessel is a microcontroller that runs JavaScript.

It's Node-compatible and ships with Wifi built in.

thethingbox.io

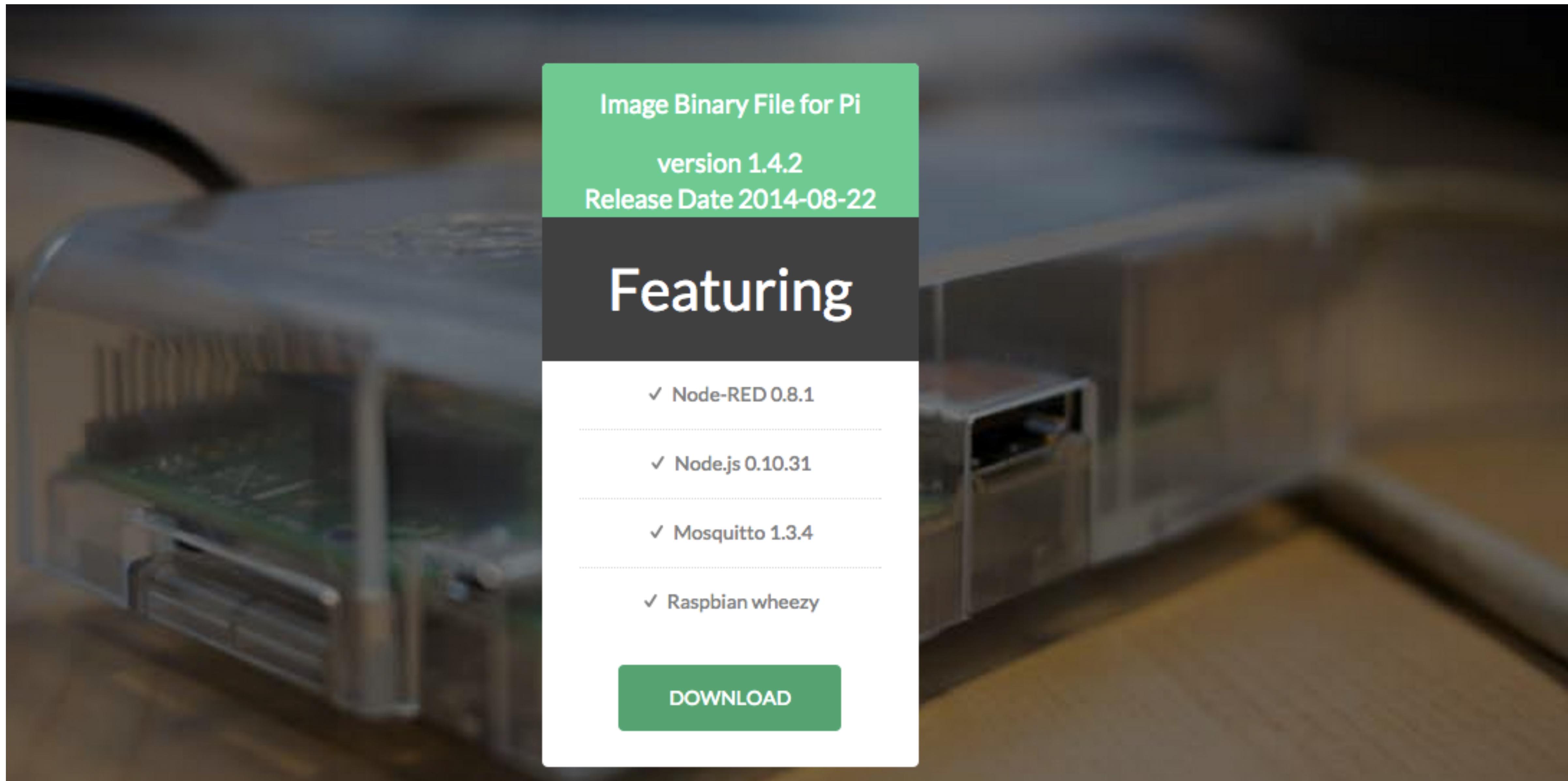


Image Binary File for Pi
version 1.4.2
Release Date 2014-08-22

Featuring

- ✓ Node-RED 0.8.1
- ✓ Node.js 0.10.31
- ✓ Mosquitto 1.3.4
- ✓ Raspbian wheezy

[DOWNLOAD](#)

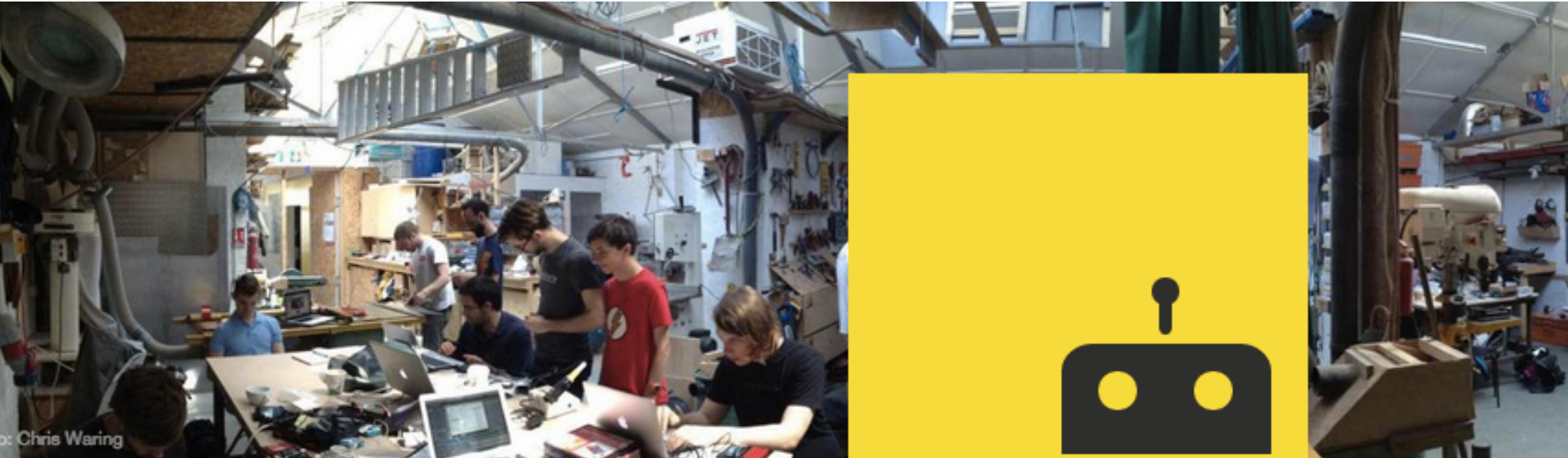
espruino.com

JavaScript on Board

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nodebots.io

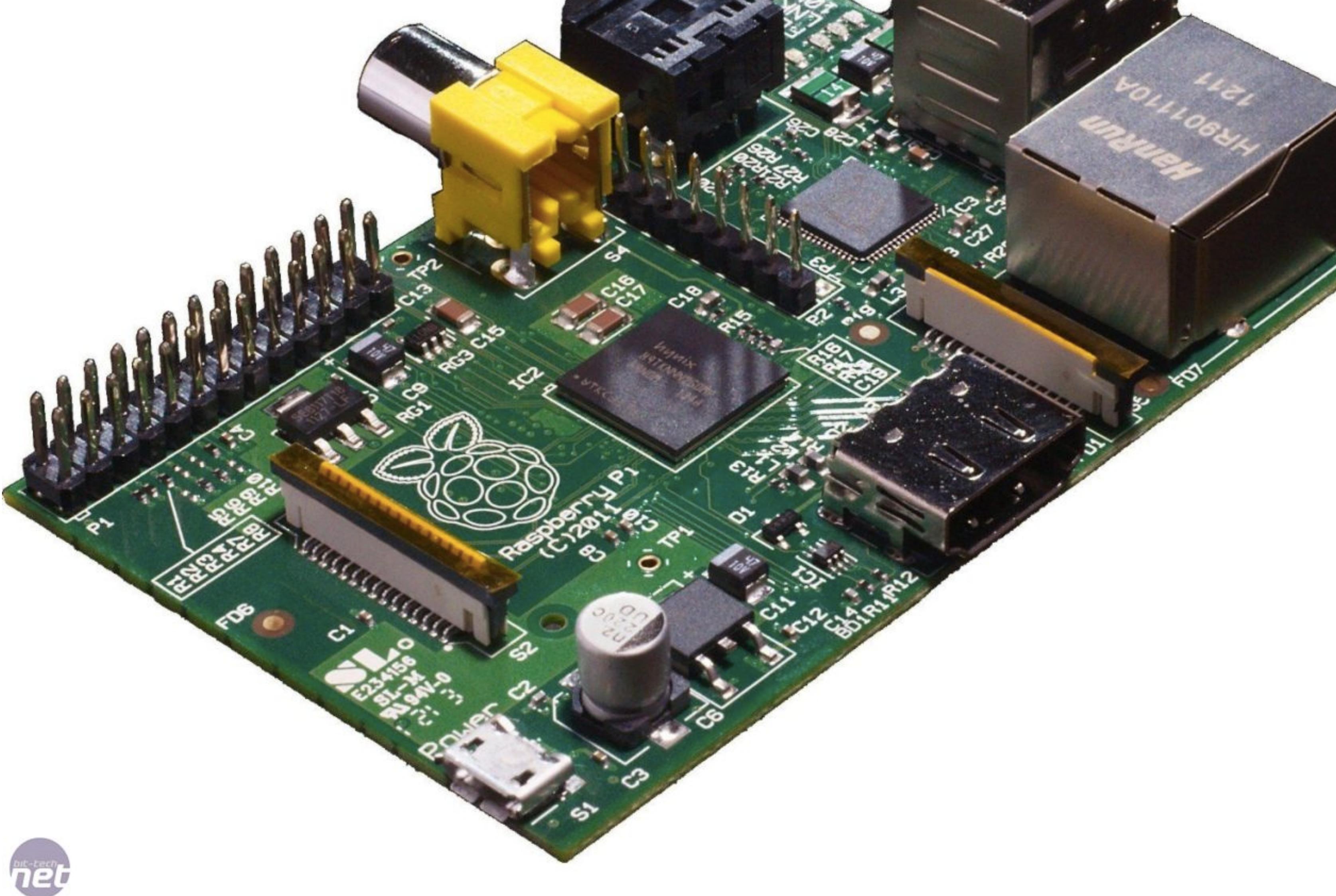


NodeBots

Robots powered by JavaScript

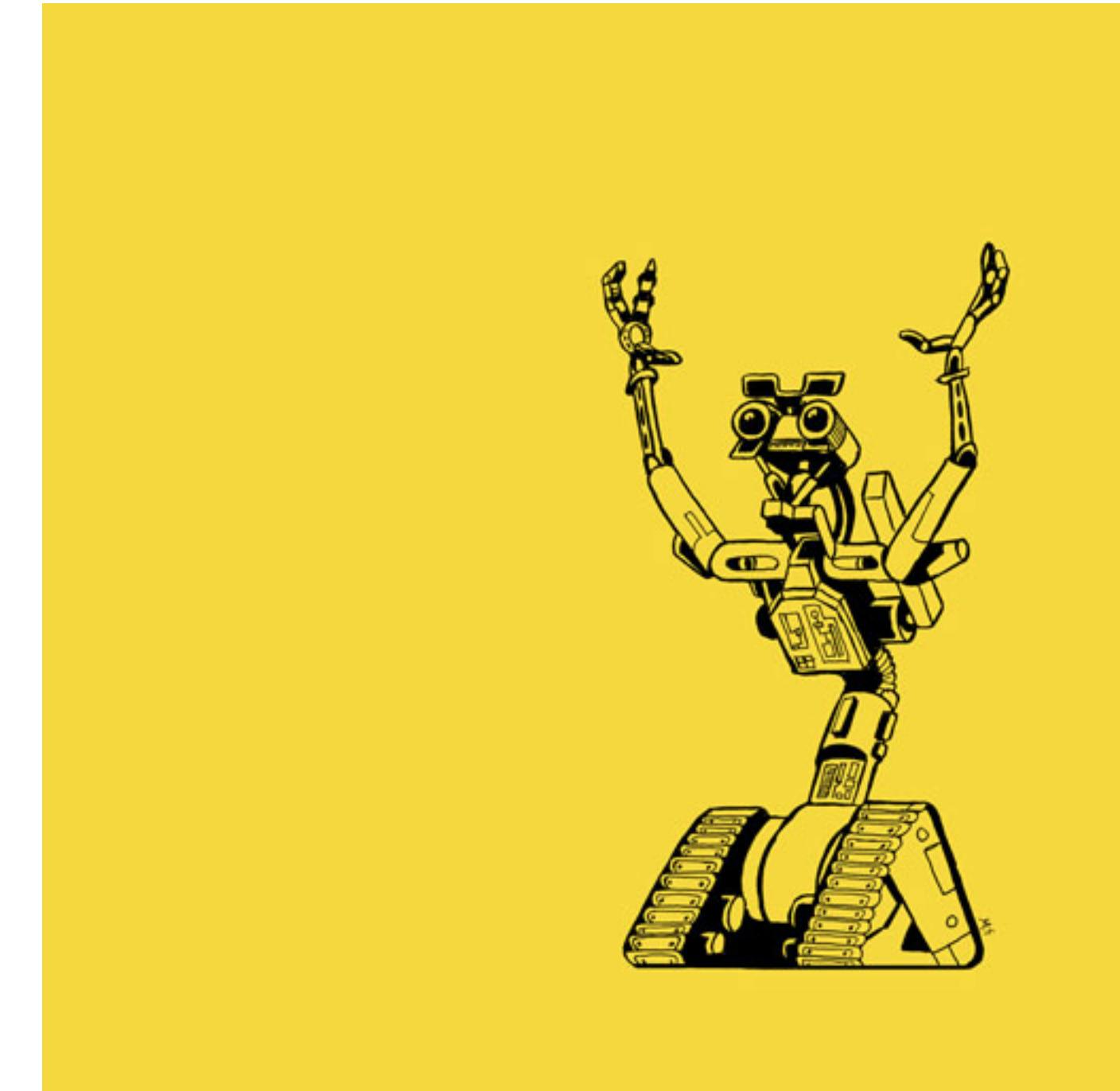
libraries for
hardware

Raspberry pi



thejackalofjavascript.com/getting-started-raspberry-pi-node-js/

Johnny Five (Arduino)



github.com/rwaldron/johnny-five

Cylon JS



CYLON.JS

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JavaScript Robotics, By Your Command

Next generation robotics framework with support for 32 different platforms

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Rapiro



Raspberry Pi



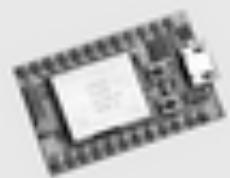
Salesforce



Skynet



Spark



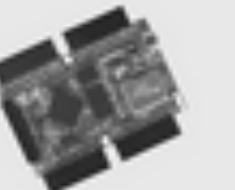
Speech



Sphero



Tessel



WICED Sense



node-bleacon



iBeacon

github.com/sandeepmistry/node-bleacon

Code time!

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@firt

5pm ModevLounge
Book signing

firt.mobi/mh5



firt.mobi/pmw

