

# The Javascript Revolutions

By: Touhid Arastu

WHO AM I?

# Touhid Arastu

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JavaScript Expert (Node.js, Angular.js and ..)

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See My Full CV At <http://arastu.ir>

# What Is The Javascript?

It's the most popular  
programming language in  
the world

A yellow square containing the letters 'JS' in a bold, black, sans-serif font.

**JS**

**Its A Language Of Web :)**

JavaScript has grown and changed with the growth  
of the World Wide Web

*Possibly more than any other programming language.*

HISTORY

First Draft Written  
in 10 days  
in May of 1995



Code Name Is:  
Mucha



Develop by Brendan Eich at Netscape  
Netscape try to develop VB like language

- 
- May 1995 ■ First version of Mocha
  - November 1995 ■ Netscape Navigator 2.0 with LightScript released
  - November 1996 ■ Submitted to ECMA for standardization
  - July 1997 ■ Standard completed
  - June 1998 ■ ECMAScript 2 released
  - December 1999 ■ ECMAScript 3 released
  - April 2004 ■ GMail enters beta
  - July 2008 ■ ECMAScript 4 abandoned
  - May 2009 ■ JSON specified
  - December 2009 ■ ECMAScript 5 released  
CoffeeScript released
  - October 2011 ■ Dart released
  - October 2012 ■ TypeScript released

# JAVASCRIPT FEATURES

- Imperative and structured
- Dynamic
- Functional
- Prototype-based

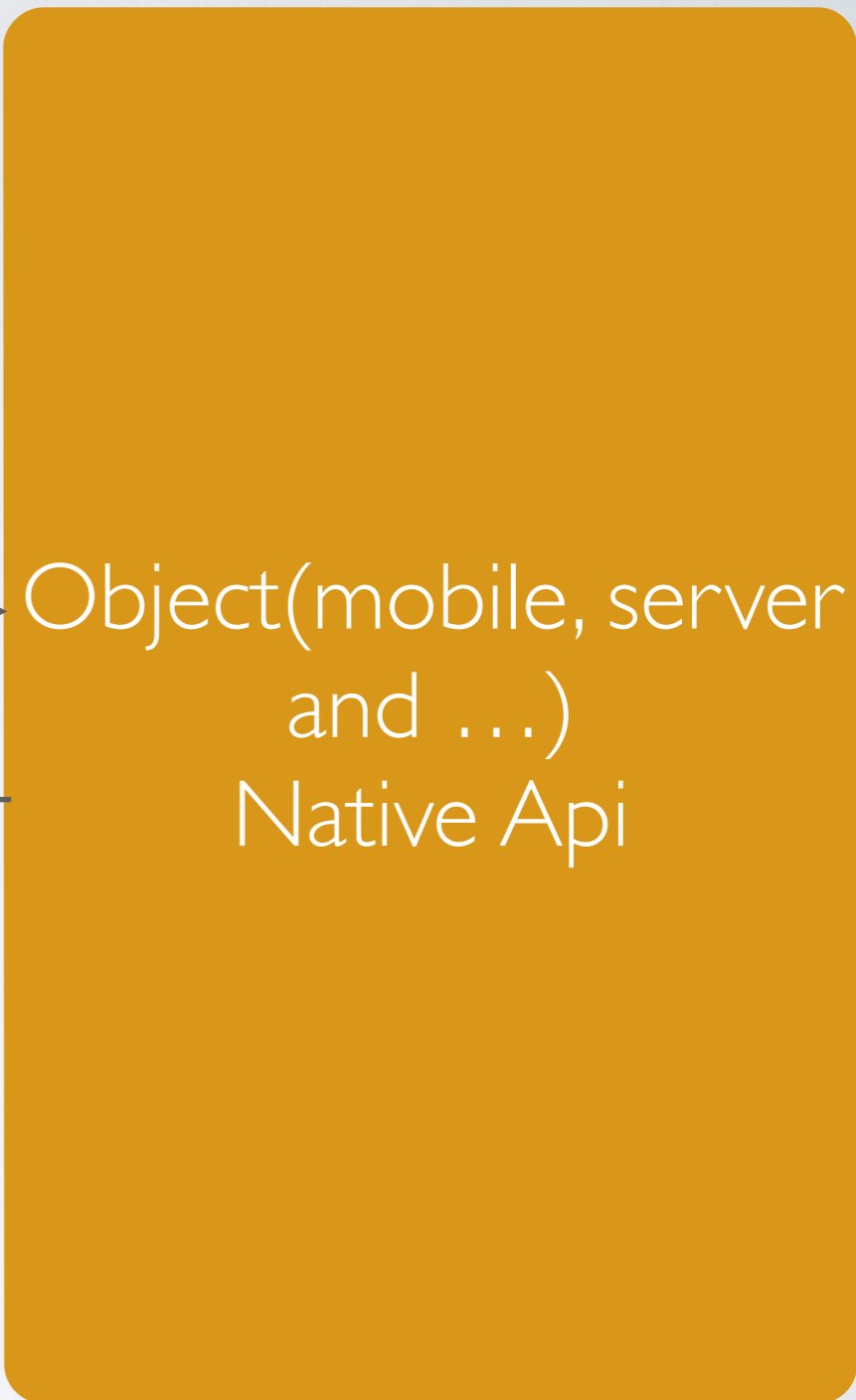
What Can I Do?  
With JavaScript

```
//codes here
```

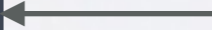
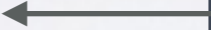
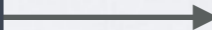
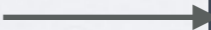
Code



JavaScript Interpreter



Machine



Object(mobile, server  
and ...)  
Native Api

# SERVER SIDE APPS:

- Realtime Apps(chat, push notification, visualisation, game engine and ...)
- Mobile App Backend
- Social Engine
- CRUD Apps

# NATIVE LIKE MOBILE APP

- cordova.js
- phonegap
- titanium



# MICROCONTROLLERS

- Espruino

- Tessel



**Espruino**

```
var tessel = require('tessel');  
var servo = require('servo-pca9685')  
  .use(tessel.port['A']);  
  
var position = 0;  
setInterval(function () {  
  servo.move(1, position);  
  position = position == 0 ? 1 : 0;  
}, 500);
```

# A SUGGESTION

```
var car = require('Car');  
  
car.on('changeSpeed', function(e) {  
  if(e.speed > 120) {  
    this.readingLight.turnOn()  
  }  
});
```

Any Connection?