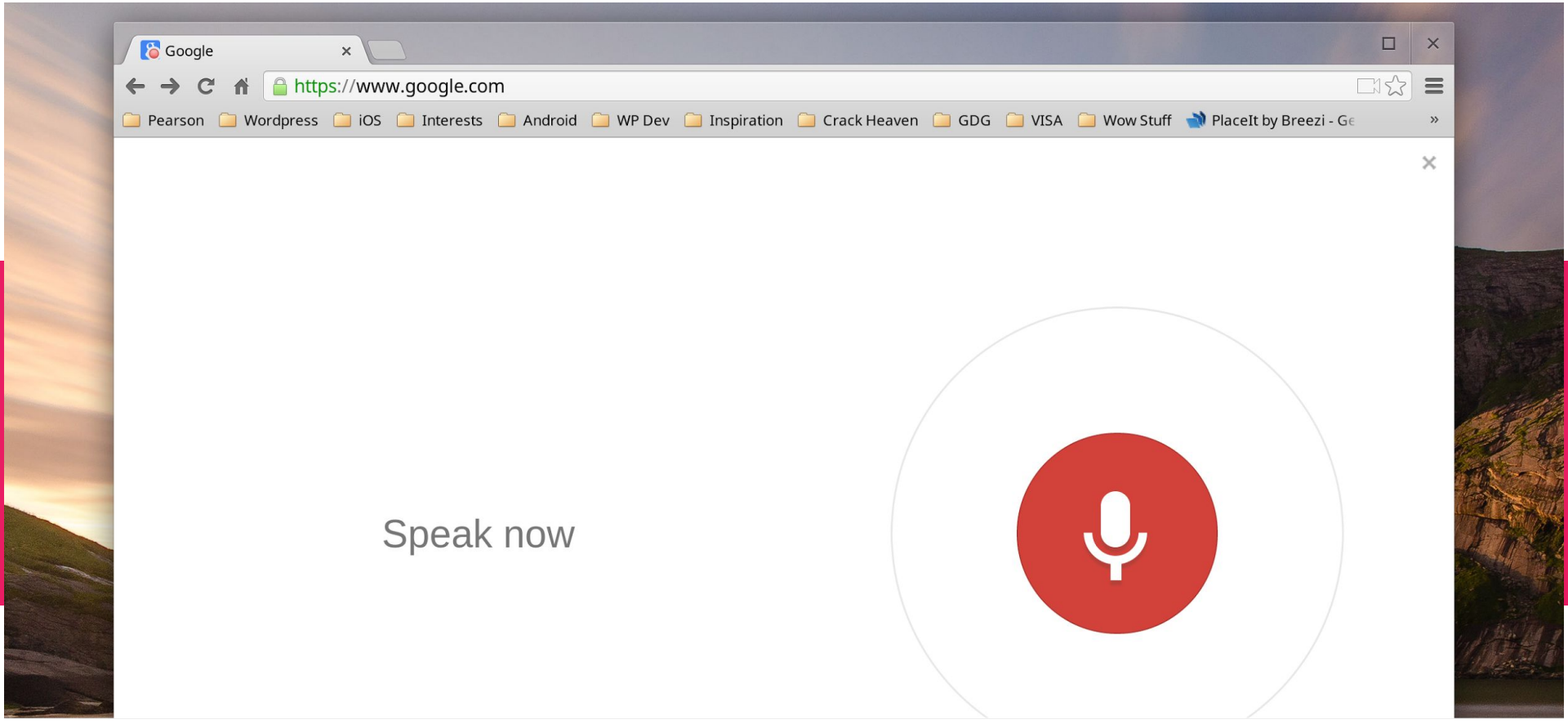
WebSockets & Notifications in Browser

BocaJS: @BocaJavaScript
Speaker: @DamianMontero

Who am I

Or why you should listen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Speak now

Scott Hanselman

shanselman

Portland, OR
scott@hanselman.com
http://www.hanselman.com
Joined on Mar 12, 2008

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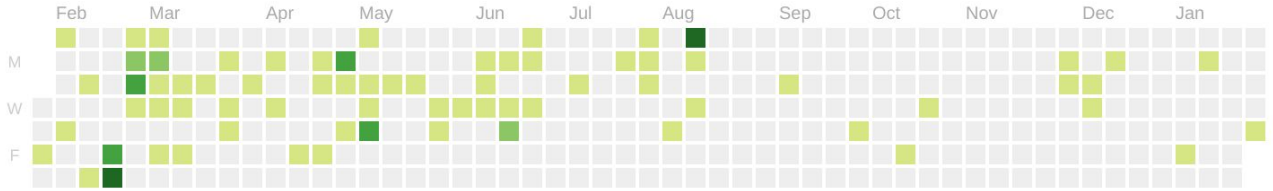

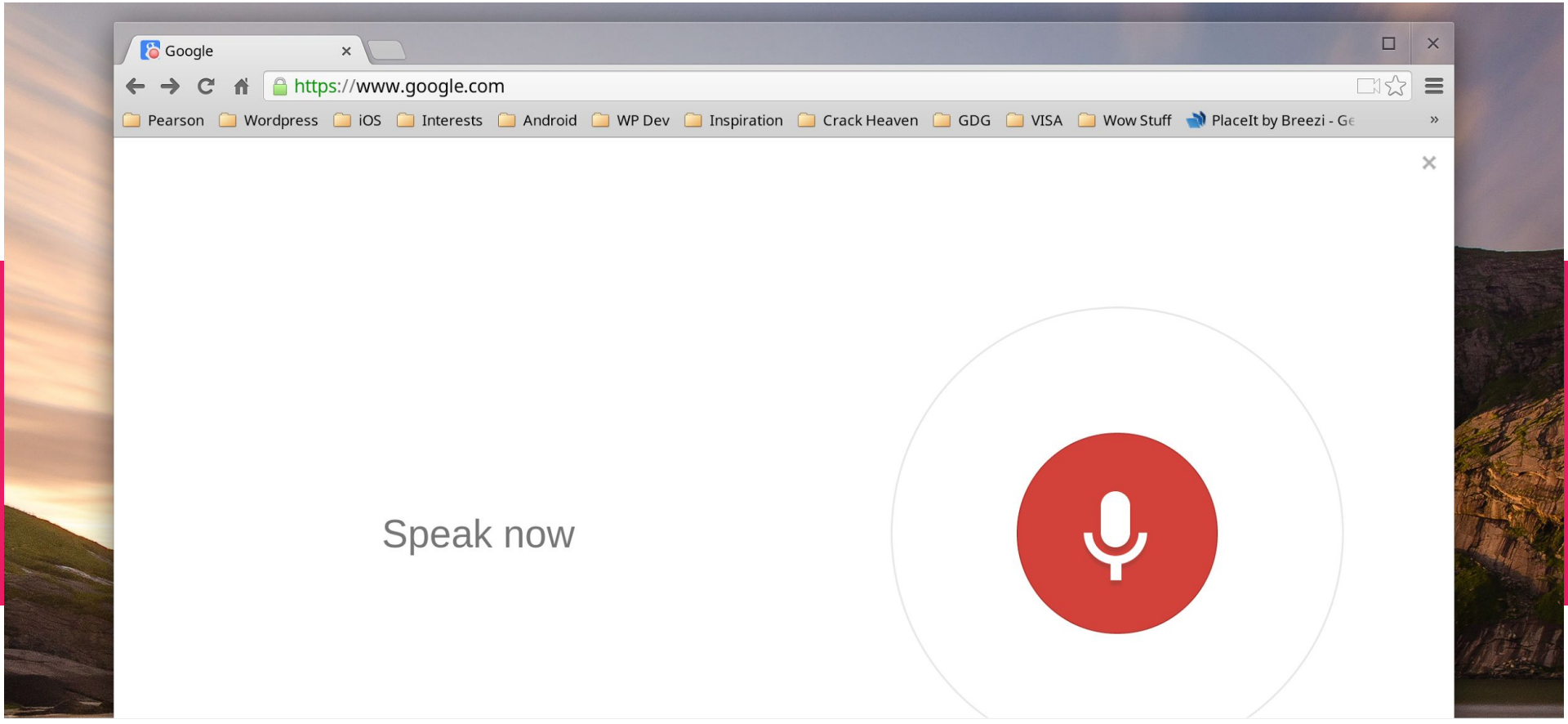
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John Papa

johnpapa

JohnPapa.net, LLC
Orlando, FL
http://johnpapa.net
Joined on Nov 17, 2011

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DanWahlin/**MasteringJavaScrip**… 28
Code for the Mastering JavaScript course.

spboyer/**trailrunner** 0

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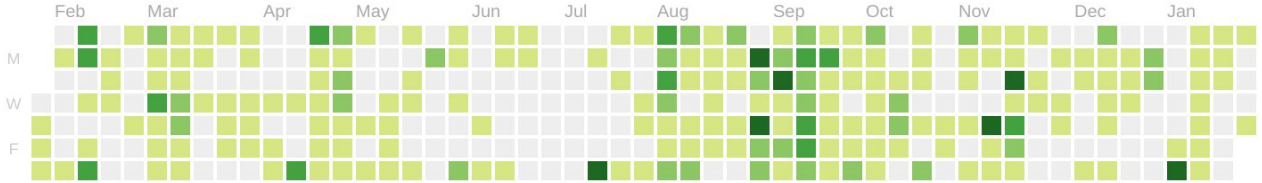
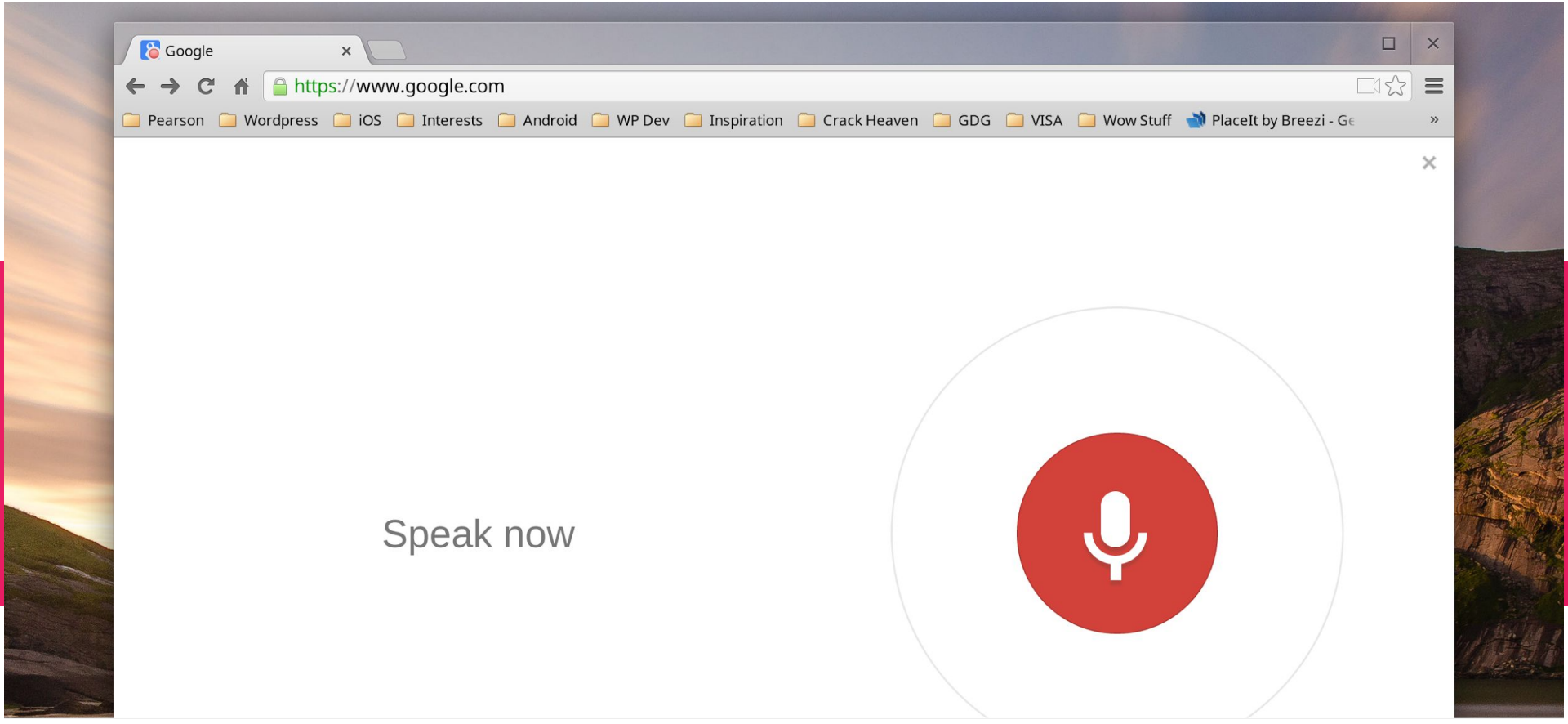
Simple javascript toast notifications http://john…

Public contributions



Summary of pull requests, issues opened, and commits. Learn how we count contributions.

Less More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Speak now

Damian Montero

19 Years Web Developer

Worked for Skype, Microsoft, Circuit City (not my fault!)

5 Hackathon Wins

Including “Best HTML5 App” at the AT&T Developer Summit in Las Vegas

Teacher & Speaker

Let’s see you at Code Camp!

THAT'S JUST IMPRESSIVE

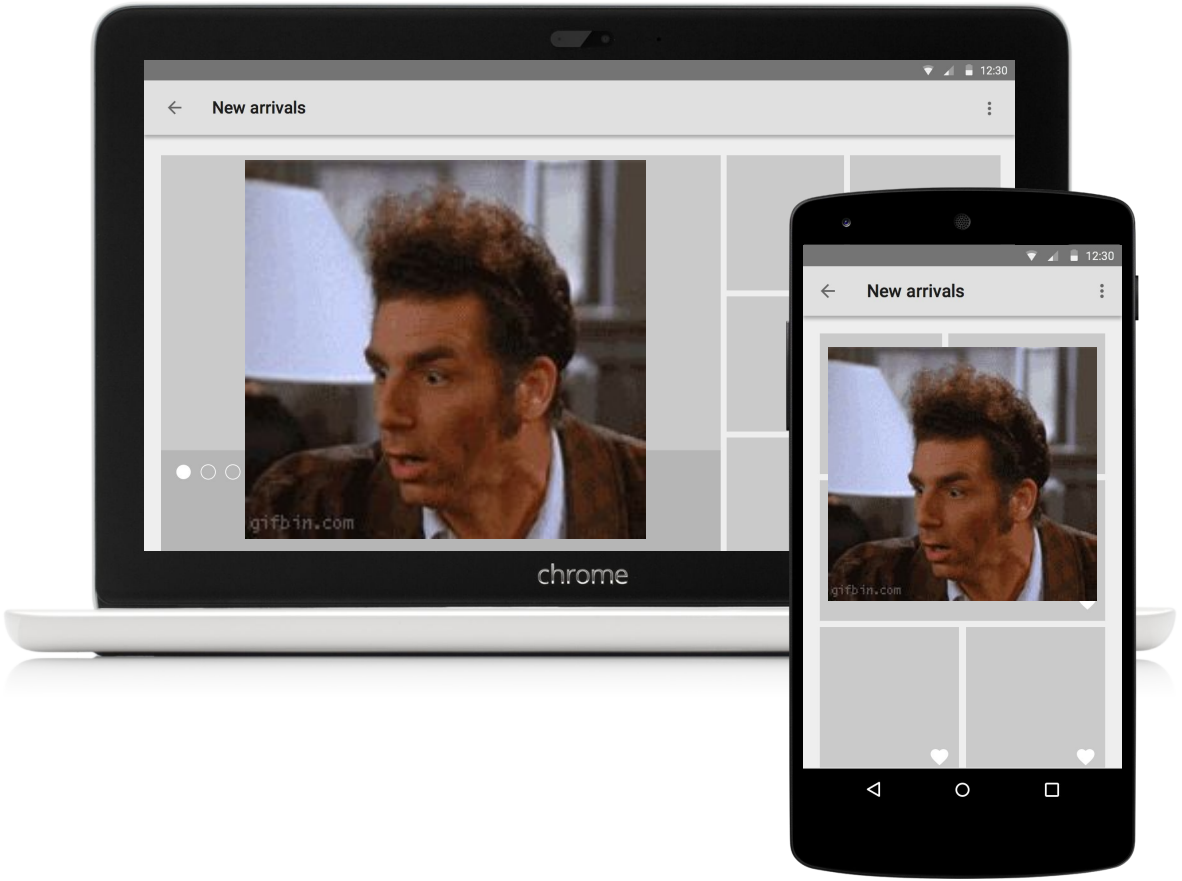
Walk the Walk

Let's start with a demo!

WAYNE'S
WORLD
Excellent.

How we did it?

- Check every second
- Java or Flash
- Magic?



WebSockets

It's Magic!

Let’s see some code

WebSocketDemo.AzureWebsites.net
or
WebSocketDemo.HerokuApp.com

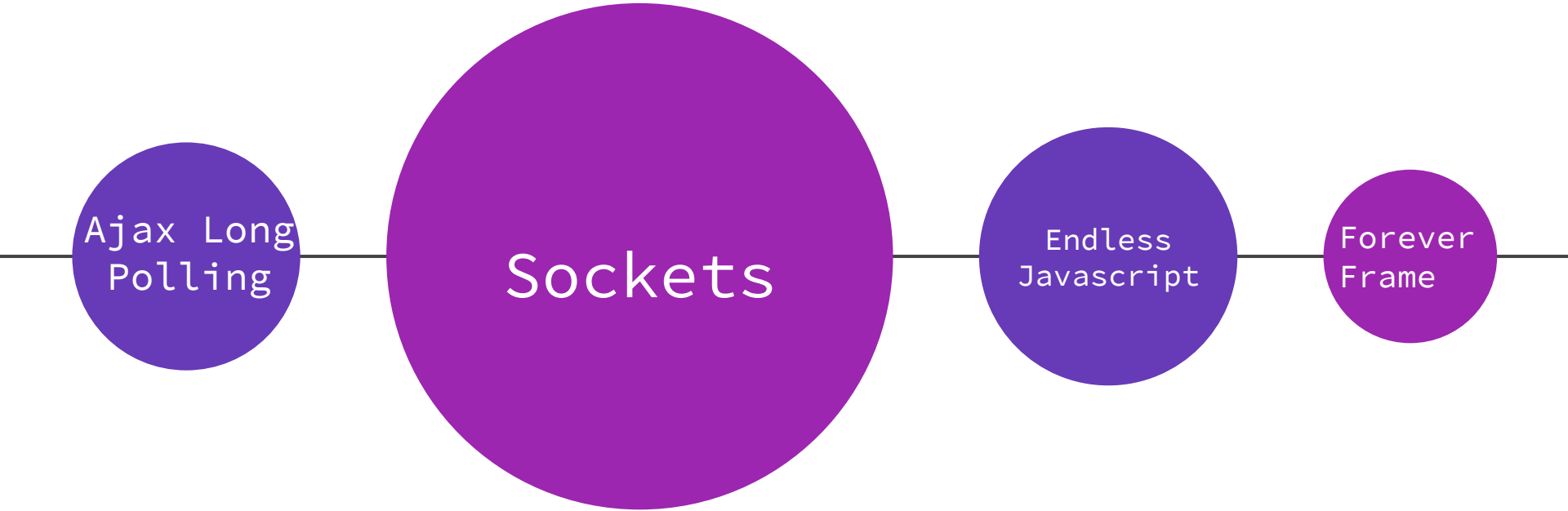
github.com/thedamian/websocket-node-example

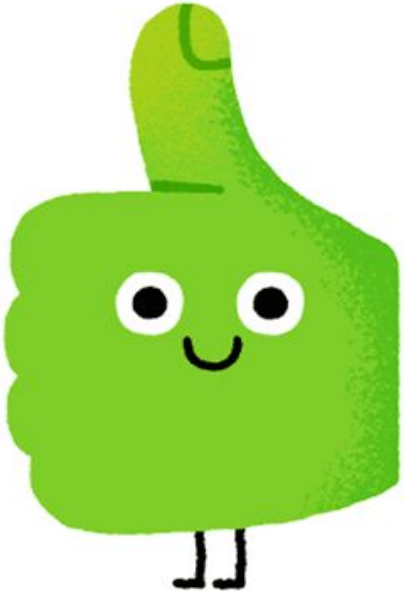
```
var ws=new WebSocket(location.origin.replace(/^http/, 'ws'));

ws.onmessage = function (event) { // Receiving from server
var li = document.createElement('li');
li.innerHTML = JSON.parse(event.data);
document.querySelector('#pings').appendChild(li);
};

//send message to sever
 document.getElementById('stop').onclick=function(){
   ws.send("stop");
 };
```

github.com/thedamian/websocket-node-example

```
var WebSocketServer = require("ws").Server
 ...
var wss = new WebSocketServer({server: server})
wss.on("connection", function(ws) {
   var id = setInterval(function() {
    if (RunMessage){ws.send(JSON.stringify(new Date()),function(){ });}
    }, 1000)
ws.on('message', function incoming(message) {
    switch(message) {
          case "start": RunMessage = true; break;
          case "stop":  RunMessage = false; break;
          }
}); // on connection
```

Sockets.io & SignalR doing it smarter



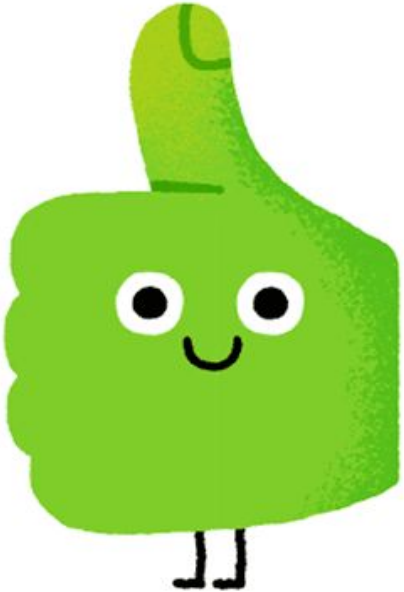


Socket.IO

Open source, started in node, available in a lot of platforms.

SignalR

Open source. a microsoft product, the first to use all four “tricks”



Socket.IO

Open source, started in node, available in a lot of platforms.

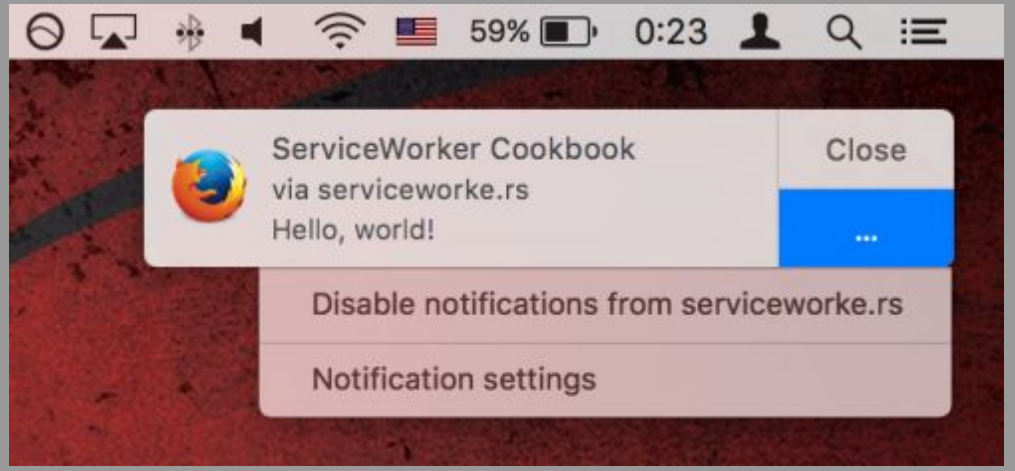
SignalR

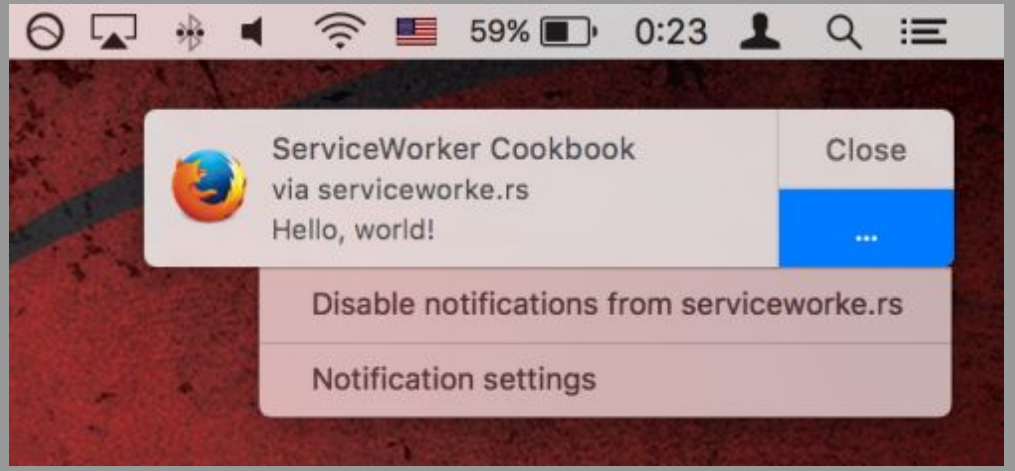
Open source. a microsoft product, the first to use all four “tricks”

Notifications

Or how to get them back!

Chrome
Safari
& now Firefox have them





How to:

http://deanhume.com/Home/BlogPost/push-notifications-on-the-web–google-chrome/10128

Resources

Twitter: @DamianMontero
github.com/thedamian

socket.io

asp.net/signalr

Notification example:
jsfiddle.net/pksLuhys/

BocaJS: @BocaJavaScript