

# Full Stack Fest 2016

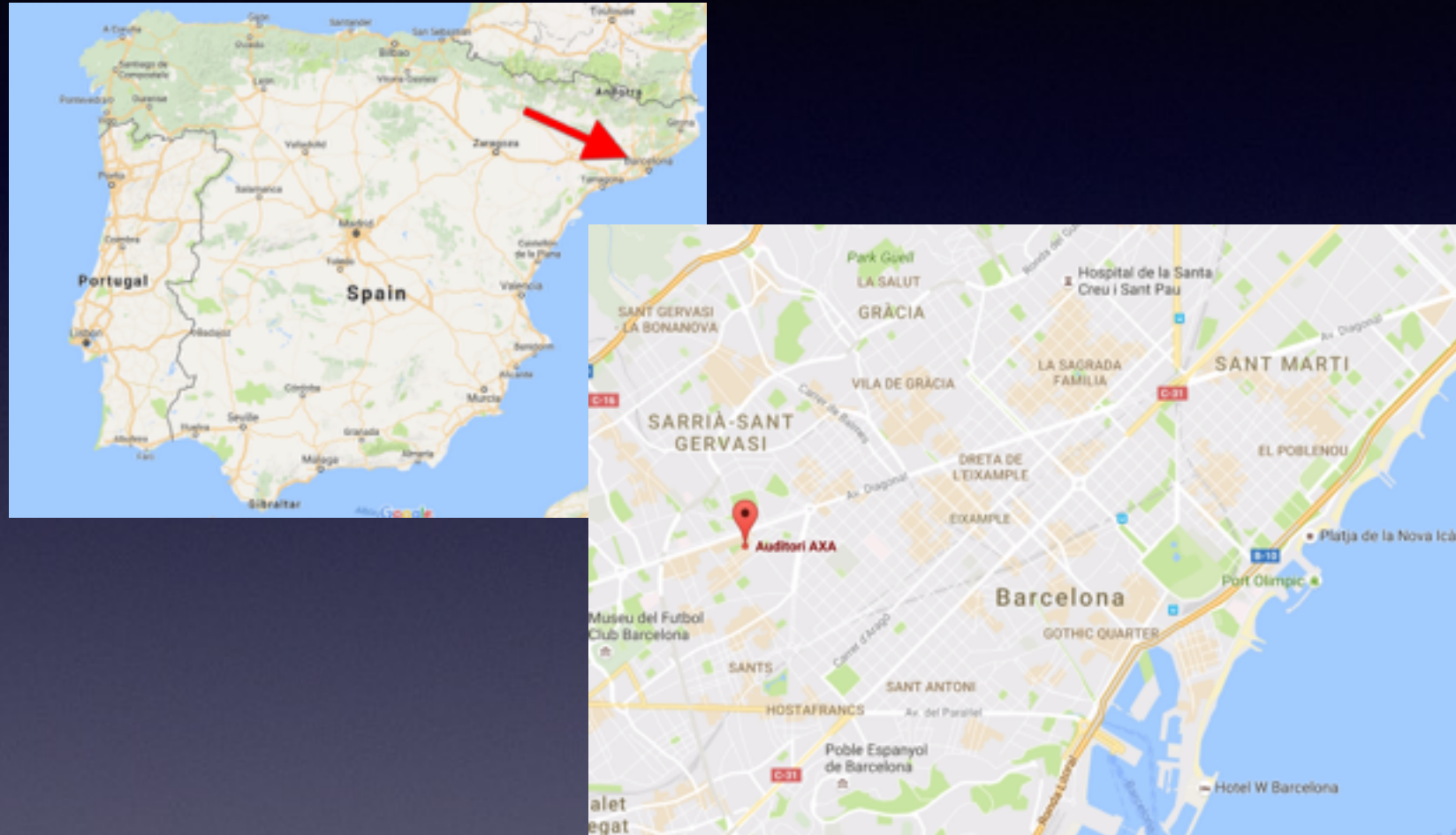
## Field Report

Mario Fernández



- Where/When
- What
- Food for thought
  - Backend
  - Fronted

# Where



When: 5-9 September

# What

- The combined power of **Barcelona Ruby Conference** and **Barcelona Future JS**
- Single track
- 2 days Backend + 2 days Frontend (32 talks + lightning talks)



Food for thought

BACKEND

# Containers

- **Docker:** Unikernels
- **Security:** <https://github.com/docker/docker-bench-security>





Build applications comprised of microservices that run in response to events, auto-scale for you, and only charge you when they run. This lowers the total cost of maintaining your apps, enabling you to build more logic, faster.

<http://www.meetup.com/Serverless-Munich/>



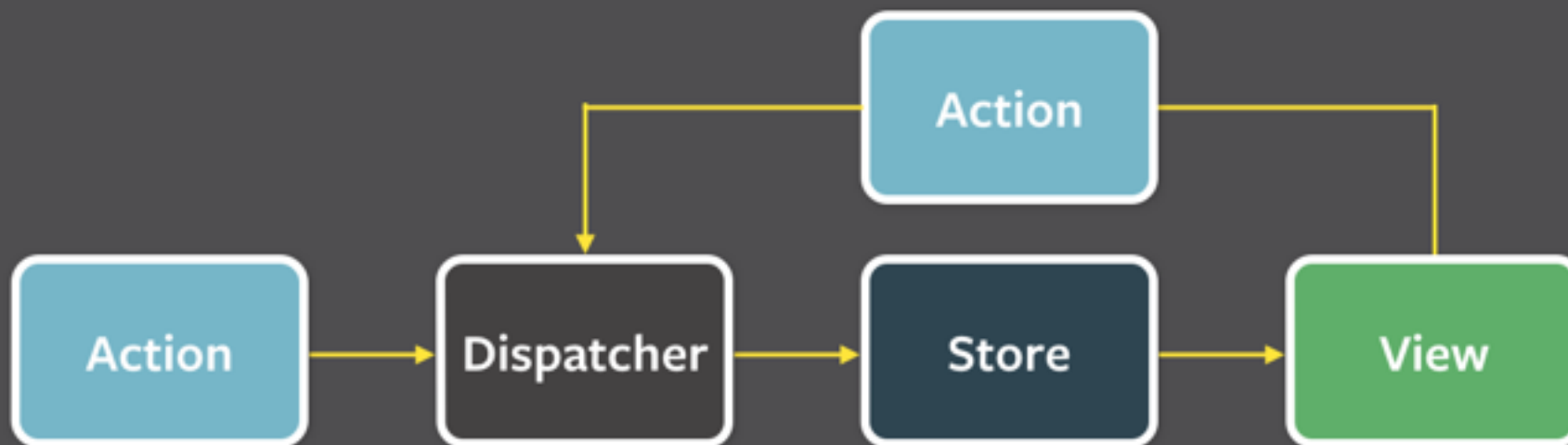
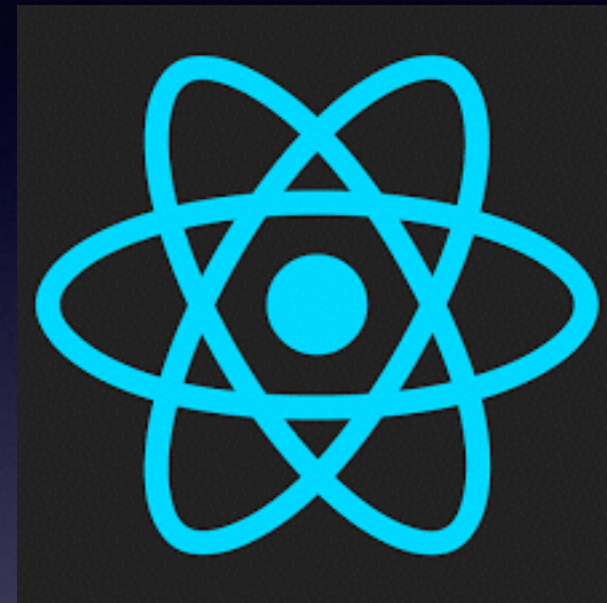
# HTTP/2

- CFP: 2012 -> Release: May 2015
- Based on SPDY
- Multiplexing / Server Push / Header compression

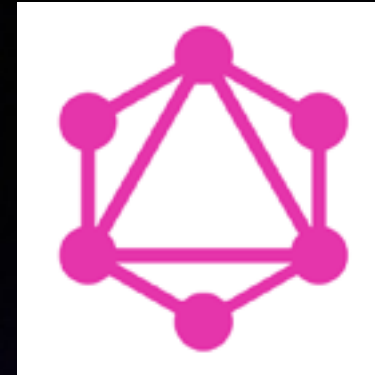
FRONTEND

# Components

- MVC/REST
- Immutability



# GraphQL



```
{
  user(id: 4802170) {
    id
    name
    isViewerFriend
    profilePicture(size: 50) {
      uri
      width
      height
    }
    friendConnection(first: 5) {
      totalCount
      friends {
        id
        name
      }
    }
  }
}
```

```
{
  "data": {
    "user": {
      "id": "4802170",
      "name": "Lee Byron",
      "isViewerFriend": true,
      "profilePicture": {
        "uri": "cdn://pic/4802170/50",
        "width": 50,
        "height": 50
      }
    },
    "friendConnection": {
      "totalCount": 13,
      "friends": [
        {
          "id": "305249",
          "name": "Stephen Schwink"
        },
        {
          "id": "3108935",
          "name": "Nathaniel Roman"
        }
      ]
    }
  }
}
```



ECMAScript 6

# ECMAScript 2015

- Yearly Releases
- Transpiling is here to stay
- Maturity stage:
  - async/await (2)
  - cancel token (1)

BACKUP SLIDES



- Single Tenant vs Multi Tenant -> Pods
- Flash sales
- Toxiproxy / Openresty

# UX Component Library

- [ux.mulesoft.com](http://ux.mulesoft.com)
- combines well with a component approach (*Carte Blanche*)
  - CSS Modules
  - CSS Mixins using JS
  - SVG Icons > Icon Font



# Funky Browser APIs

- Notifications API
- Service Worker API
- Programmatic access to cache

# Moar languages

- Elm
- Unison