

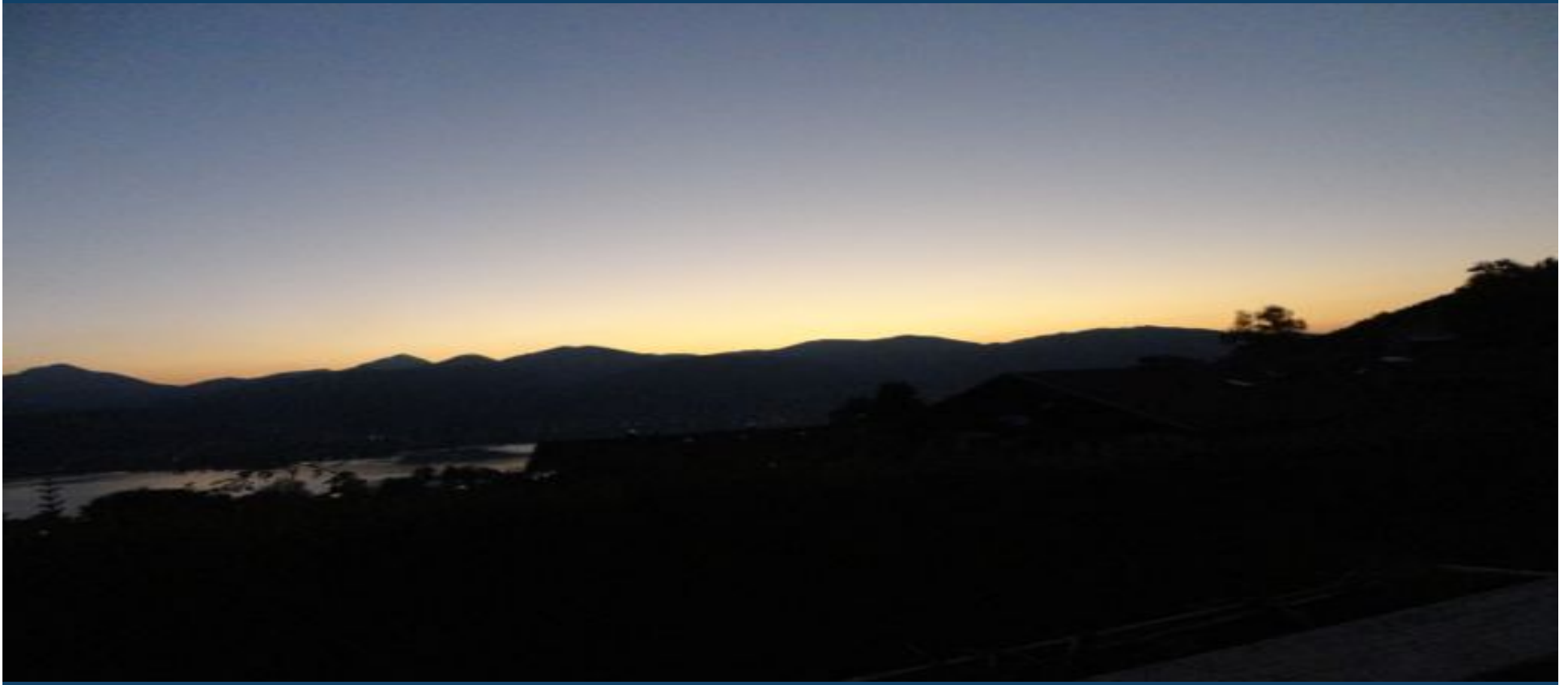


`<script>` your way into NoSQL

Patrick Mulder
@mulpat

In the beginning, there was

LAMP





ALTER table ...

Linux

Apache

MySQL

Perl (or PHP)

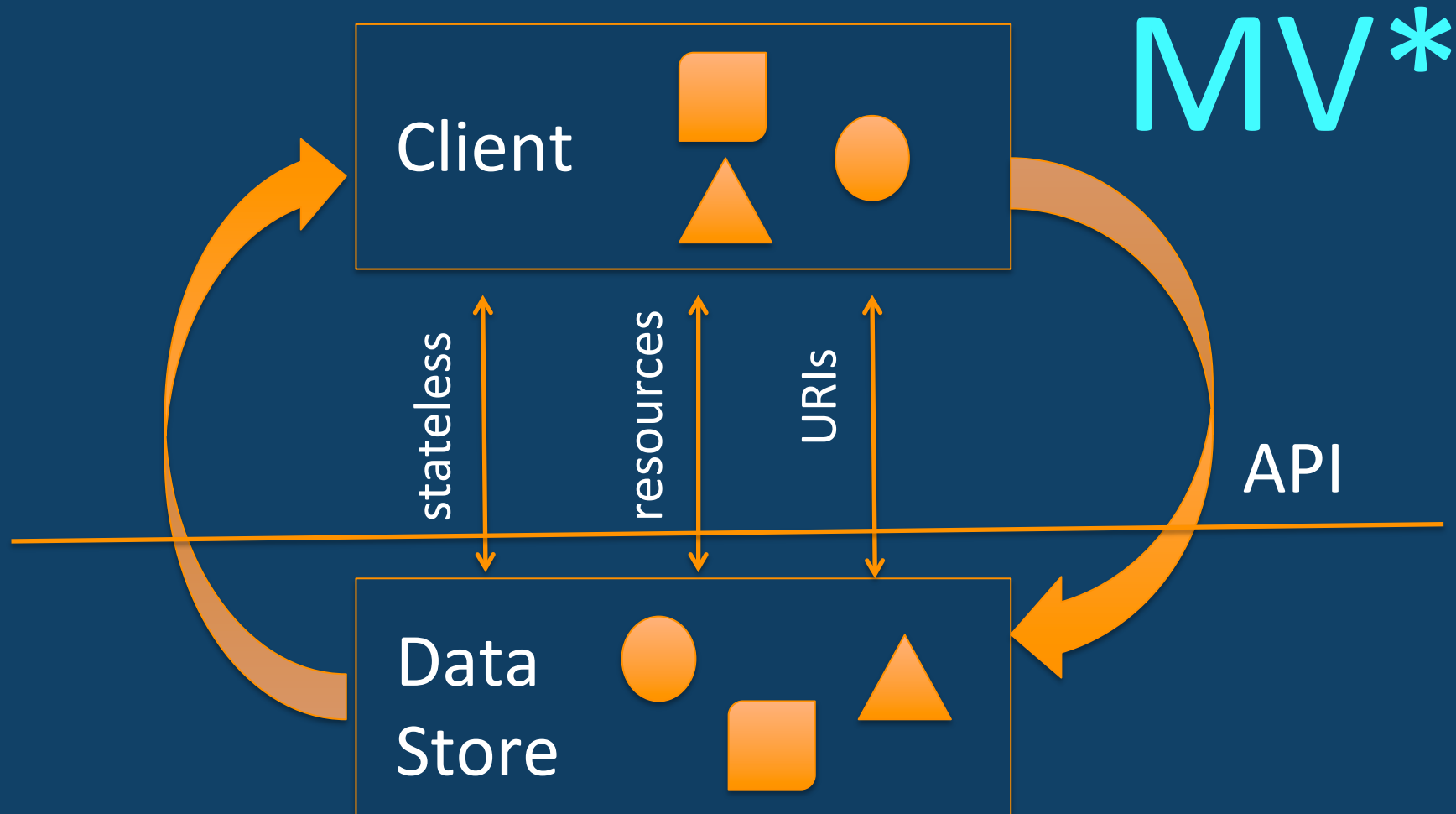
[http://en.wikipedia.org/wiki/LAMP_\(software_bundle\)](http://en.wikipedia.org/wiki/LAMP_(software_bundle))



The dawn of ORMs

Hibernate
ActiveRecord

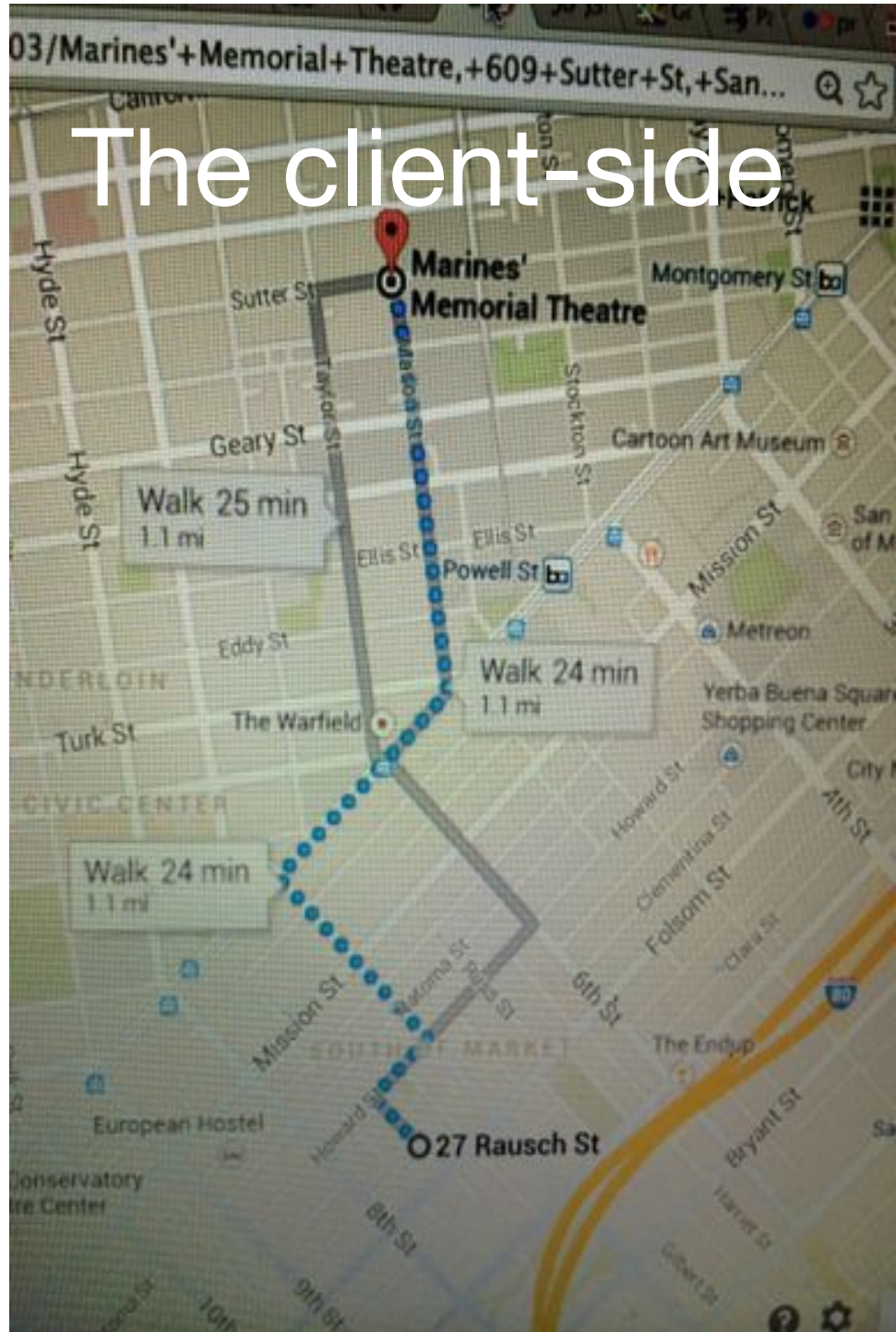
Today, API's vs Clients



Synchronize



remote
STATE



The client-side

runs
JavaScript

Document stores provide

JSON
natively





Apps with

MEAN stacks

MongoDB

ExpressJS

AngularJS

Node

But, there is also

Meteor, ArangoDB-Foxx, Rendr, Brainy,
Backbone-ORM, Serverbone,
BookshelfJS, i-tier, Thorax,
DerbyJS, ...



The main point

100%
JavaScript



A Good Thing

Multiple
runtimes

A quick demo

on JavaScript

Runtimes:

Node – Browser – ArangoDB

More Good Things

concurrency

built-in

A quick demo



on the
event-loop

Challenges ...

inheritance

async vs sync

throwing errors

From JSON ...

```
{
  "director": "Matthew Vaughn",
  "rating": 3.4,
  "showtime": 1388766180,
  "description": „In grief and anger, Lensherr's magnetic power manifests .... ",
  "title": "X-Men: First Class",
  "id": 15,
  "year": 2011,
  "length": 132,
  "genres": [
    "Action",
    "Adventure",
    "Sci-Fi"
  ]
}
```

... to data „modules“

with event emitters
to be exported

Demo let's create a model

„Enhanced“ data

events

validations

map primary key

queries

The jQuery of data

Underscore
Lo-Dash
and
promises

Interesting projects

- <http://knexjs.org/>
- <https://www.arangodb.org/foxx>
- <http://bookshelfjs.org/>
- <https://github.com/Everyplay/backbone-blueprint>

```
var talk;
```

```
talk.questions()  
.end();
```



Developing Web Apps with BackboneJS

