# JSON (the argonauts and mark)

INTERACTIVE 3D VERSION WITH FRILLY BITS AND SOURCE

http://r1.my/klmug/11/

**WARNING::** Some Assembly Required

#### **NOT THIS JASON**



#### NOR THESE ARGONAUTS



#### RATHER THESE

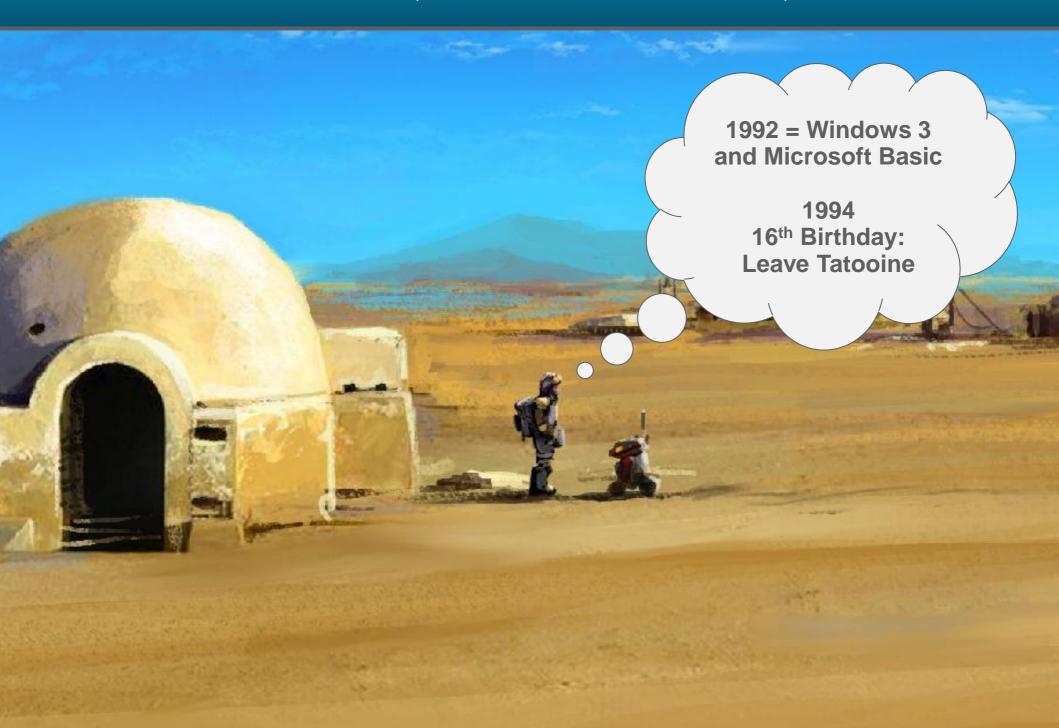




handlebars



#### A LONG TIME AGO, IN A GALAXY FAR, FAR AWAY



# 1998 -- Flash was The Dog's Bollocks --

AND I HAD FOUND MYSELF IN SARAWAK

#### 2006 – STARTED A WEB DESIGN AGENCY IN KL



### 2010 -- CASHED-OUT --

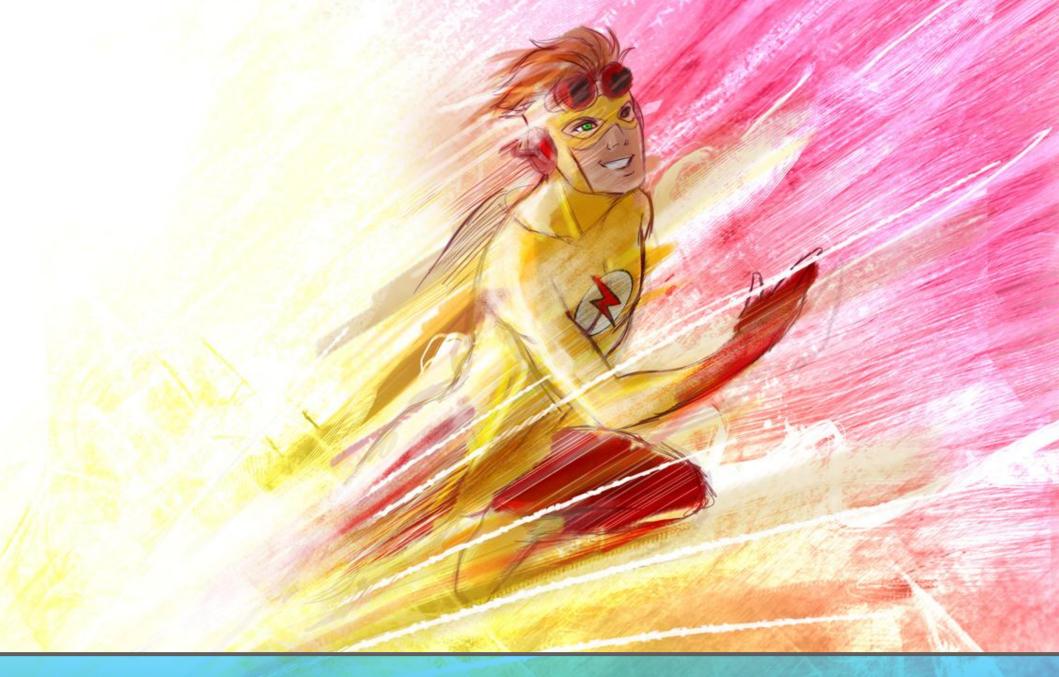
WANTING TO DO MORE THAN JUST WORDPRESS THEMES

#### GOT MARRIED, HAD A KID – GREW A FAMILY



## 2011 -- MongoDB :: Day 01 --

LAZY WINDOWS WEB-DESIGNER WITH NO KNOWLEDGE OF TERMINAL



#### IT'S LIGHTENING FAST !!!

Some say 6,000 times faster than MySQL

## 2011 -- MongoDB :: Day 02 --

DISGRUNTLED BACKPRESS USER

#### MongoPress 0.2 :: (Before Bootstrap)

Login



THE MONGODB CMS - HIGH-PERFORMANCE NOSQL WEB MANAGEMENT

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Roadmap Documentation

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#### Introducing MongoPress - The High-Performance, Object-Based, PHP, MongoDB CMS

(Last updated 1 year, 2 months ago - Wednesday 21st of November 2012)

MongoPress is an instantly scalable, incredibly flexible CMS that uses MongoDB and PHP to deliver a powerful object-oriented environment that is flexible and free. It is not only freely licensed and distributed under a generous GPL license, but it is also free from the constraints that many of the leading MySQL-based CMS platforms suffer from. MongoPress was in many ways inspired by WordPress, and was originally planned as a plugin, but after realizing that WordPress had been built from the ground-up as a table-based MySQL-driven architecture, providing MongoDB support was not going to be an easy task, and in some ways, even seemed to defeat the point of a NoSQL environment.

#### What is NoSQL and this MongoDB you keep harping-on about ...?

In computing, NoSQL is a broad class of database management systems that differ from classic relational database management systems (RDBMSes) in some significant ways. These data stores may not require fixed table schemas, and usually avoid join operations and typically scale horizontally. MongoDB is amongst the most powerful of this new breed of NoSQL database. It's an easily scalable high-performance OpenSource document-oriented database featuring a whole host of functions that are ideally suited to the new ways we use and engage with media and the web. They have exceptional out-of-the-box functionality for replication, load-balancing, geo-location and media-storage. Able to handle thousands of concurrent connections and rendering traditional methods of caching obsolete; NoSQL standards are here to stay, and will soon make MySQL a distant fading memory, especially in-light of recently published benchmarks, where MongoDB performed tremendously well.

#### What is wrong with WordPress...?

Firstly, let us be clear by stating our unconditional love for WordPress. Unfortunately, without some serious hardware and a whole bunch of tweaking, it does not scale well - and by it, we really mean MySQL, so perhaps the most prominent problem with WordPress is its reliance on SQL.

In the process of distinguishing ourselves as a standalone NoSQL WordPress alternative, the project has been able to benefit from other functionality that is native to MongoDB - such as integrated database-driven media-galleries with automated back-ups and inherent load-balancing, along with geo-locational object types and proximity queries!

You may be thinking well why does WordPress not adopt this, or other NoSQL databases, and the answer is quite simple; shared-hosting environments do not YET support MongoDB, and until they do, main-stream adoption would not be possible. However, we could not hang-around for two or three years waiting for MongoDB to be fully supported - so MongoPress was born!

#### **Download MongoPress 0.2.3**

AJAX Rocket Ready for Launch - Are You ...?



downloaded 7,988 times and counting

#### **Getting Started**

The Key-Features of MongoPress

Introducing The Planet MongoDB

System Requirements for MongoPress

Getting Started with MongoPress

Introducing Perma-Trails

Building Themes for MongoPress

**Building Plugins for MongoPress** 

### 2011

-- MongoDB :: Day 367 (ish) --

NO UPDATES IN A YEAR

#### MongoPress 0.3 :: (Bootstrap + MongoBase)



key-features

contacts

learn more

showcase

themes

plugins

support blog



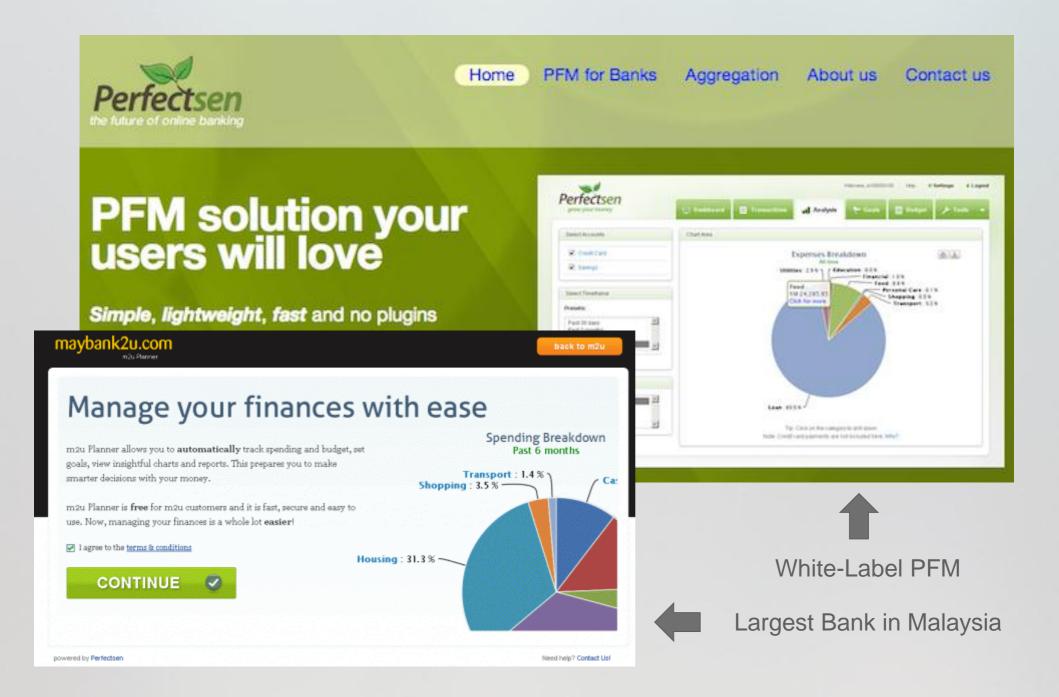
#### content management for web-applications

-- built to scale - designed for flexibility - developed with passion --

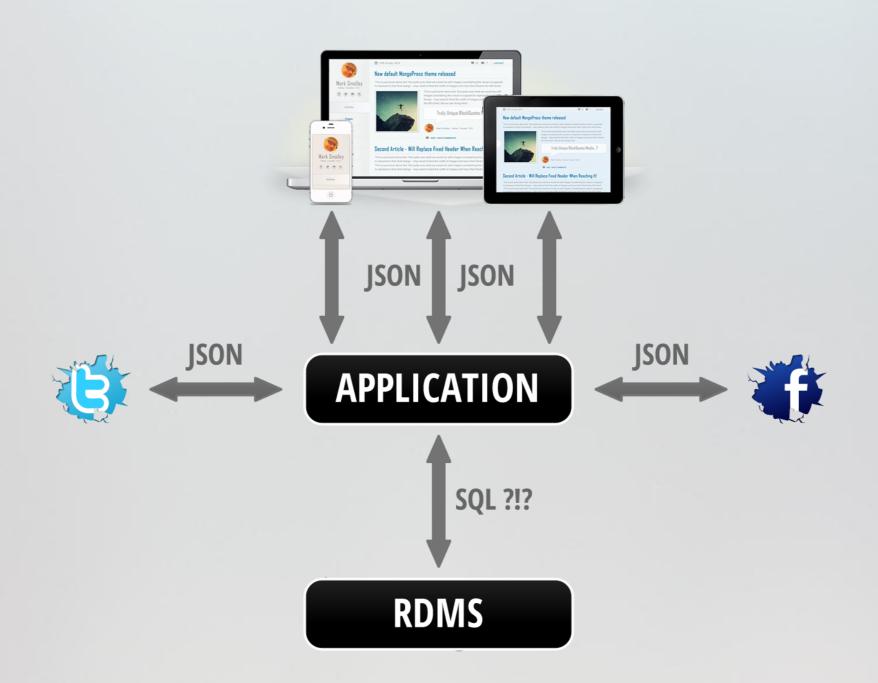
#### 2012 - Self Discovery :: R1 :: Foundations



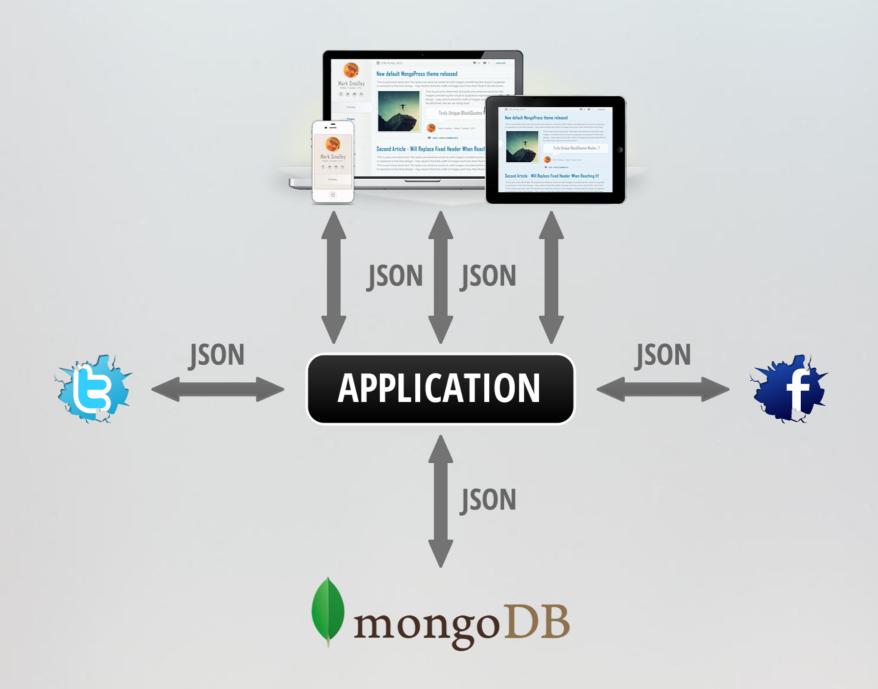
#### YESTERDAY - CTO at Perfectsen



#### LOTS OF JSON



#### LOTS OF JSON



#### **IMPORTANT DATES**

1974

**RELATIONAL DATABASES** 

1989

**WORLD WIDE WEB** 

#### **IMPORTANT DATES**

2002

JSON.org

2009

MongoDB.org

#### THE BIG THREE ONS

JSON (j for javascript)

JSONP (p for padding)

BSON (b for binary)

#### THE BIG THREE ONS

Supported by jQuery / PHP



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#### THE BIG THREE ONS

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JSON (j for javascript)

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BSON (b for binary)



Built for MongoDB



#### HELLO my name is

# JSONP

```
callback_function([
   title: "Hello JSONP World",
   published: 1352229385,
   slug: "hello-world",
   content: "JSONP is padded with a function",
   tags: ["categories","test","etc"],
   comments: [
        { u: "Jason", c: "Thanks for sharing" }
    ]
])
```

# HELLO my name is JSON BSON

#### **JSON Vs BSON**

TYPE	JSON	BSON
Number	Χ	Χ
String	Х	X
Boolean	Х	X
Array	Х	X
Object	Х	X
Null	Х	X
Float	_	X
Date	_	X
Regular Expression	_	X
JavaScript Code	-	X

#### THE TRUE ARGONAUTS





handlebars



#### **JSON and The Argonauts!**

ADD NEW POST

Guided Tour :: MongoDB, Handlebars, Mustache + AngularJS

-- ( all being used at the same time on the same page ) --

#### Add New Post :: with jQuery

Title (also used for slug)	
Blog post content	
	.:
	Submit

SOURCE CODE AVAILABLE - <a href="http://r1.my/klmug/11/">http://r1.my/klmug/11/</a>



LEARN MORE | SAY HELLO http://mongodb.my | @m\_smalley