

# The introduction of



# mongoDB®

# Who Am I?

## **Yogie Susdyastama Putra, S.ST., MT.**

*Full Stack Web Developer, iOS  
Developer, UX/UI Designer.*

Twitter: @yogieputra8

Github: <https://github.com/yogieputra8>

## **Experience:**

Software Developer : 2008 - 2009

Lecturer : 2010 - 2014

Lead Software Engineer : 2014 - 2015

CTO PowerCube : 2015 - Present

...Also working on various freelance  
project ...

## **Skill:**

Oracle 11g

Oracle Express Edition

MongoDB

CouchDB

NodeJS

PHP

VB

Swift

C/ C++

SQL Server 2000

SQL Server 2005

MySQL

# What is MongoDB?

- MongoDB is a document-oriented database
- MongoDB is a NoSQL Database
- Sites: <https://www.mongodb.com/>

# Document?

```
{  
  "nama": "kevin,  
  "umur": 2,  
  "alamat": "Jl. Lamandau 31 Malang"  
}  
  
{  
  "nama": "Yogie,  
  "umur": 23,  
  "alamat": "Jl. Lamandau 31 Malang"  
}
```

REST API

# Why MongoDB?

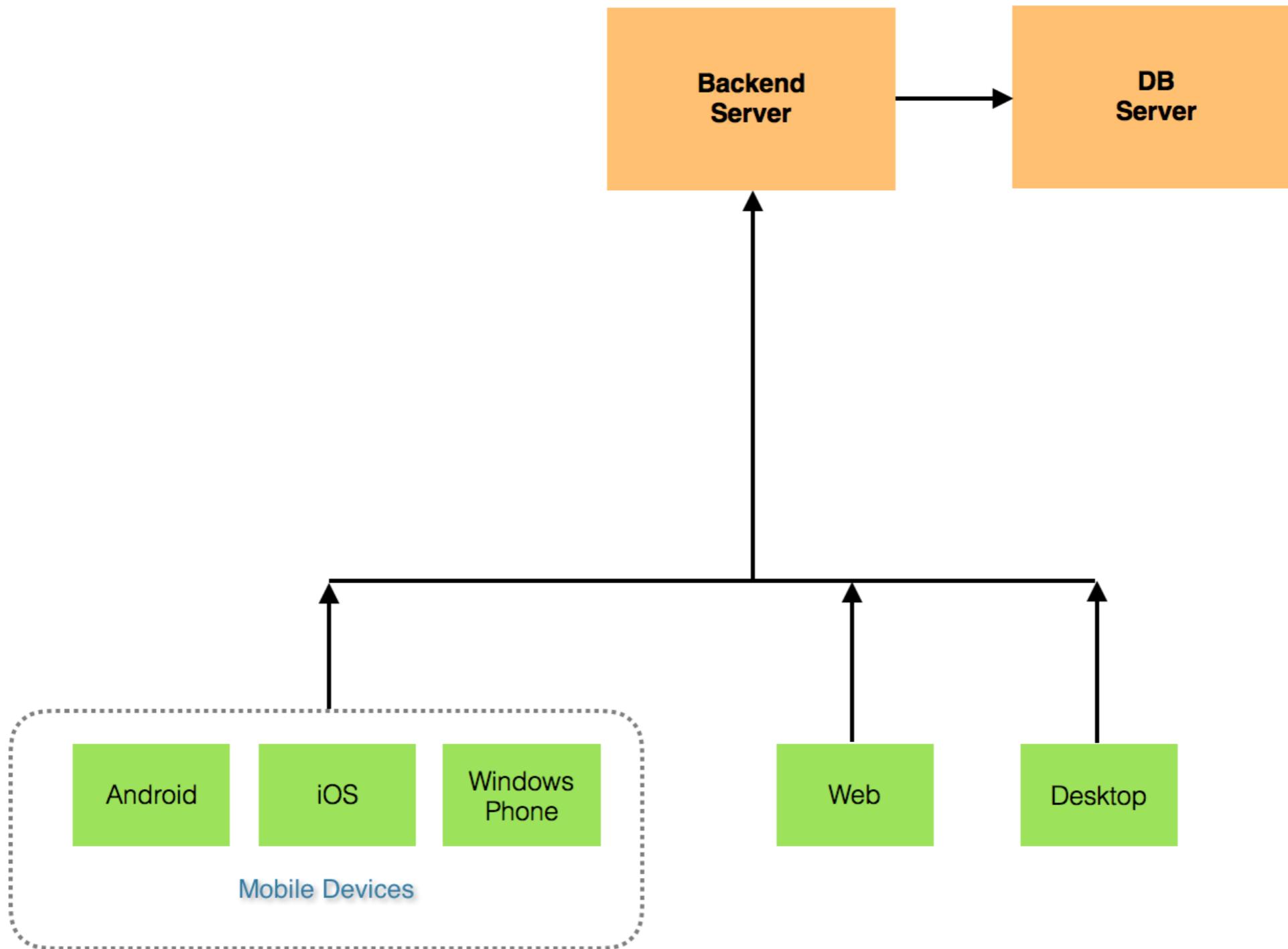
- Free
- The most popular NoSQL Database
- Large communities
- Lightweight.
- The industry standard for NoSQL Database.
- Cross Platform
- Hassle - Free

# Requirements

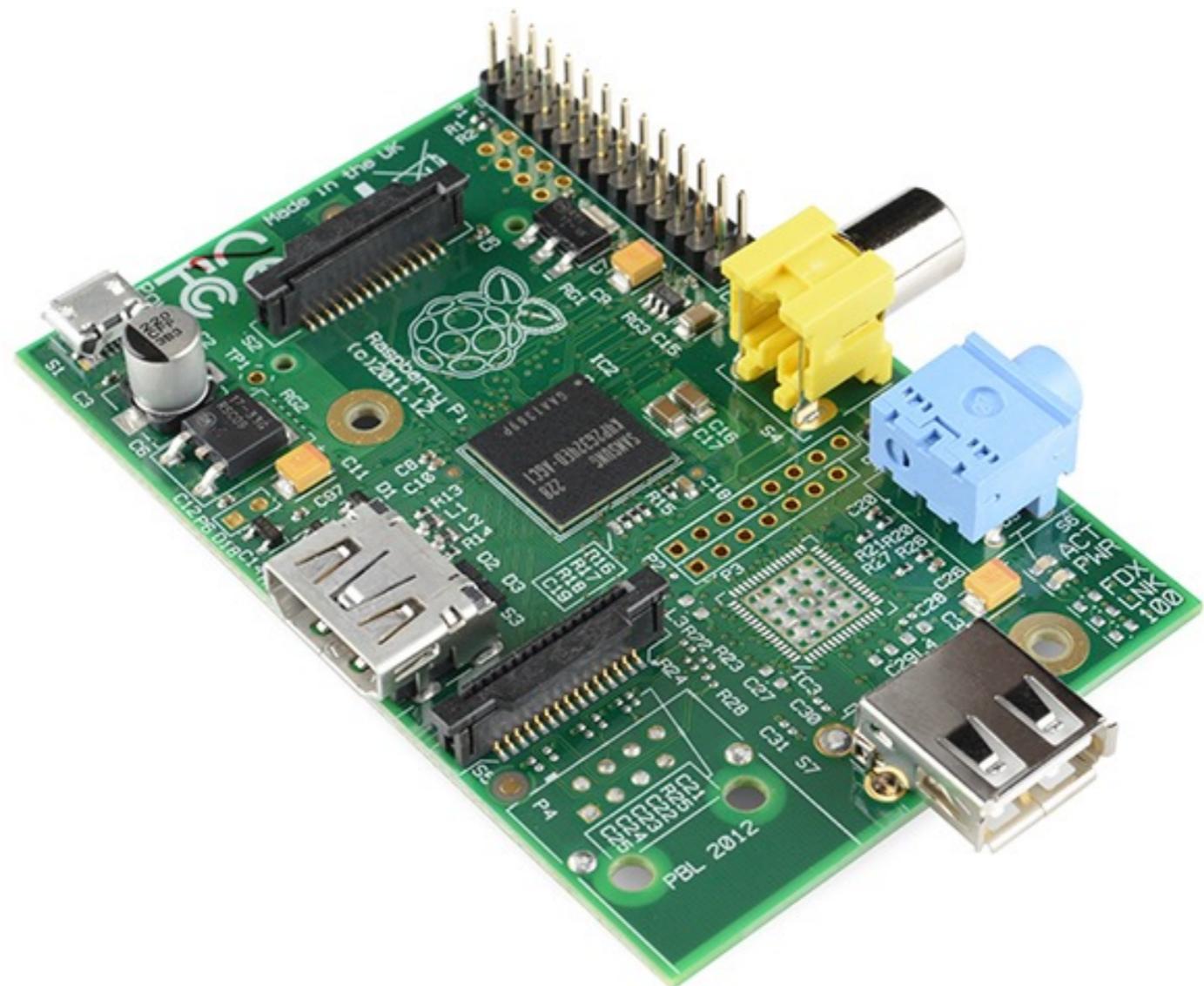
- **Love console / Bash Shell / Terminal**



- **Good Internet Connections**



# Install DB on this Device?



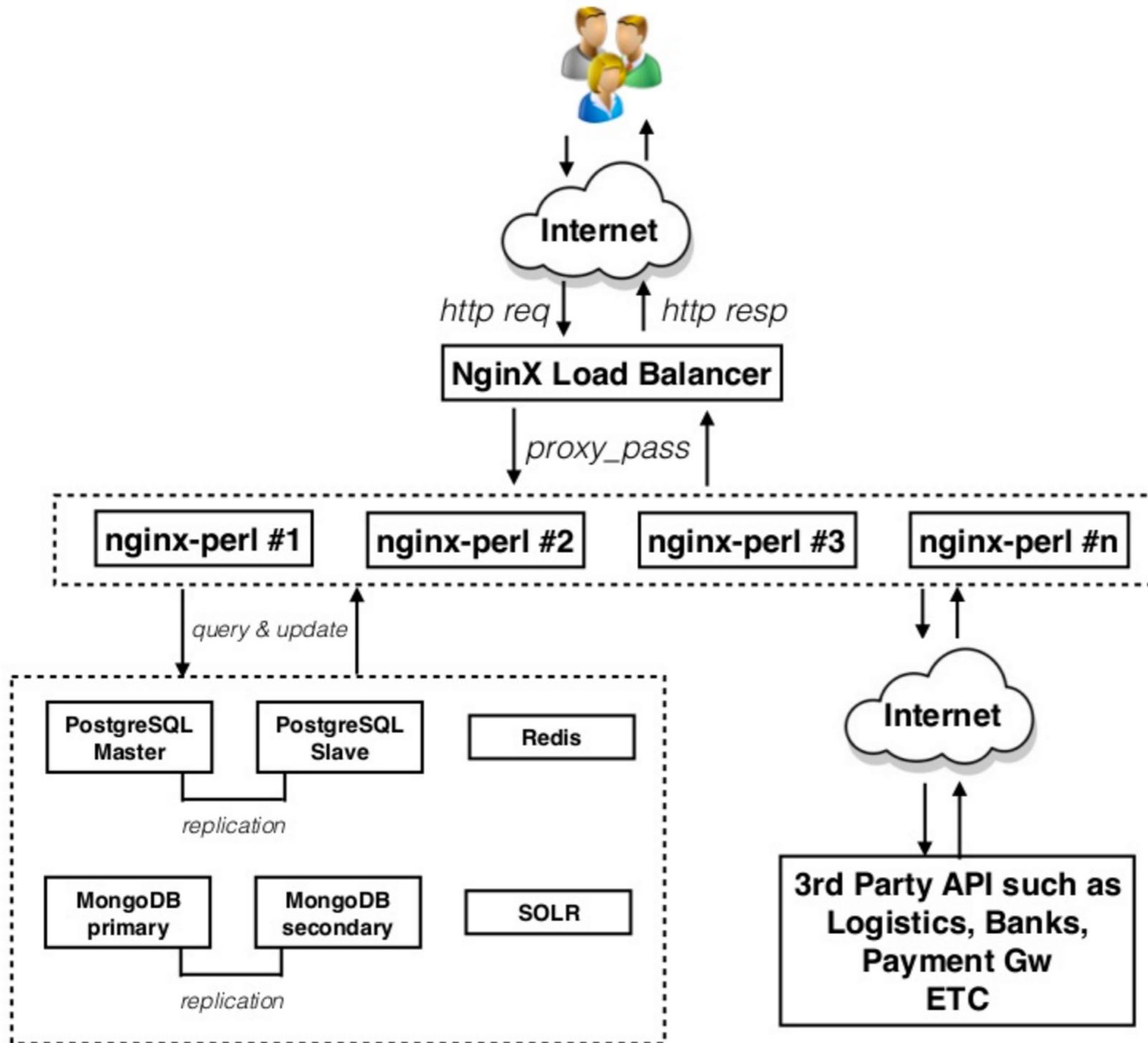
# The Products



And many more...

# Tokopedia once upon a time ...

## SOLUTION



# How to start? (1)

- Install
- Download at: <https://www.mongodb.com/download-center#community>
- <https://docs.mongodb.com/manual/installation/>

## Tutorials

### MongoDB Community Edition

#### [Install on Linux](#)

Install MongoDB Community Edition and required dependencies on Linux.

#### [Install on OS X](#)

Install MongoDB Community Edition on OS X systems from Homebrew packages or from MongoDB archives.

#### [Install on Windows](#)

Install MongoDB Community Edition on Windows systems and optionally start MongoDB as a Windows service.

### MongoDB Enterprise

#### [Install on Linux](#)

Install the official builds of MongoDB Enterprise on Linux-based systems.

#### [Install on OS X](#)

Install the official build of MongoDB Enterprise on OS X

#### [Install on Windows](#)

Install MongoDB Enterprise on Windows using the `.msi` installer.

# How to start? (2)

## Install on Ubuntu 14.04

### INSTALL

1. sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv EA312927
2. echo "deb http://repo.mongodb.org/apt/ubuntu trusty/mongodb-org/3.2 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-3.2.list
3. sudo apt-get update
4. sudo apt-get install -y mongodb-org
5. sudo apt-get install -y mongodb-org=3.2.6 mongodb-org-server=3.2.6 mongodb-org-shell=3.2.6 mongodb-org-mongos=3.2.6 mongodb-org-tools=3.2.6

### START

```
sudo mongod
```

### STOP

```
sudo service mongod stop
```

### RESTART

```
sudo service mongod restart
```

## Supported Platforms

Platform	3.2	3.0	2.6	2.4	2.2
Amazon Linux	✓	✓	✓	✓	✓
Debian 7	✓	✓	✓	✓	✓
Fedora 8+			✓	✓	✓
RHEL/CentOS 6.2+	✓	✓	✓	✓	✓
RHEL/CentOS 7.0+	✓	✓	✓		
SLES 11	✓	✓	✓	✓	✓
SLES 12	✓				
Solaris 64-bit	✓	✓	✓	✓	✓
Ubuntu 12.04	✓	✓	✓	✓	✓
Ubuntu 14.04	✓	✓	✓		
Microsoft Azure	✓	✓	✓	✓	✓
Windows Vista/Server 2008R2/2012+	✓	✓	✓	✓	✓
OSX 10.7+	✓	✓	✓	✓	

# How to play?

- **Create Database**

use siswa

- **Insert new Document**

```
db.siswa.insert({nama: 'Kevin', jenisKelamin: 'pria', beratBadan: 12})
```

- **Drop Database**

```
db.dropDatabase()
```

- **Select all Document**

```
db.siswa.find()
```

```
db.siswa.find({nama: 'Kevin'})
```

- **Update Document**

```
db.siswa.update({nama: 'Kevin'}, {beratBadan: 13})
```

- **Delete Document**

```
db.siswa.remove({nama: 'Kevin'})
```

# How to connect your apps to MongoDB?

- Install MongoDB Driver Connector  
<https://docs.mongodb.com/ecosystem/drivers/>

Documentation	Releases	Source	API	JIRA	Online Course
C	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	
C++11	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	
C++ (legacy)	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	
C#	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	<a href="#">Course</a>
Java	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	<a href="#">Course</a>
Node.js	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	<a href="#">Course</a>
Perl	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	
PHP	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	
Python	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	<a href="#">Course</a>
Motor	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	
Ruby	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	
Scala	<a href="#">Releases</a>	<a href="#">Source</a>	<a href="#">API</a>	<a href="#">JIRA</a>	

# Demo?

- Github: <https://github.com/yogieputra8/demo-nodejs-asia>

# Where to go next?



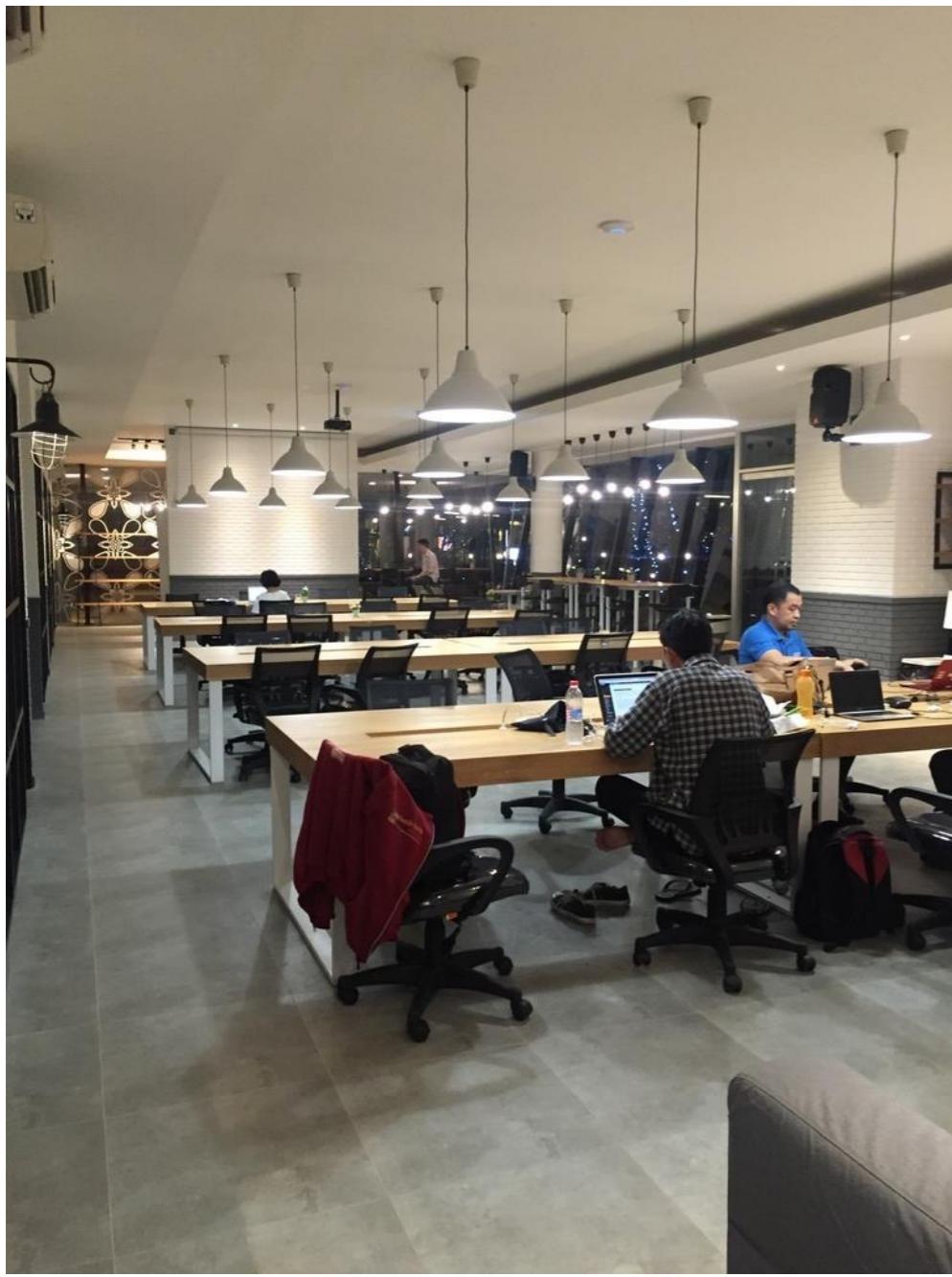
- **Do it!**
- More tutorial: <http://www.tutorialspoint.com/mongodb/>
- Learn Github
- Learn StackOverflow
- **Kepo!!**

# We want you!

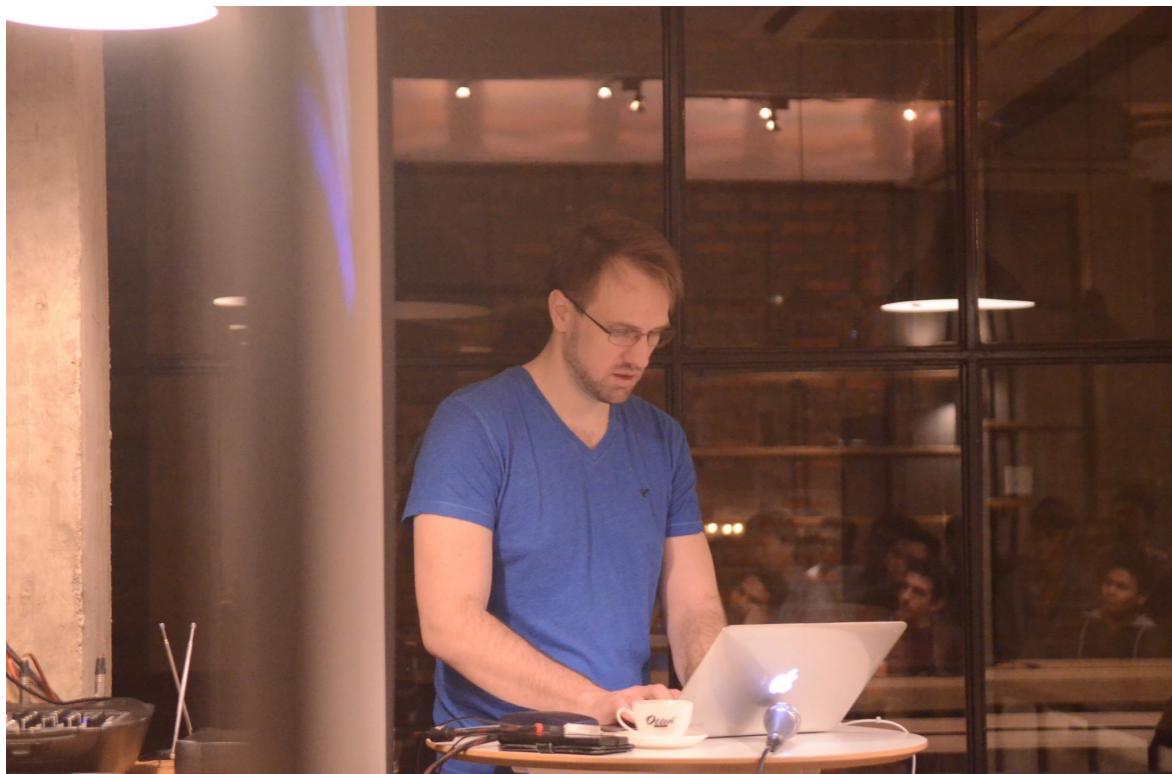
yogie@powercube.id



# What is it like to work at a startup?



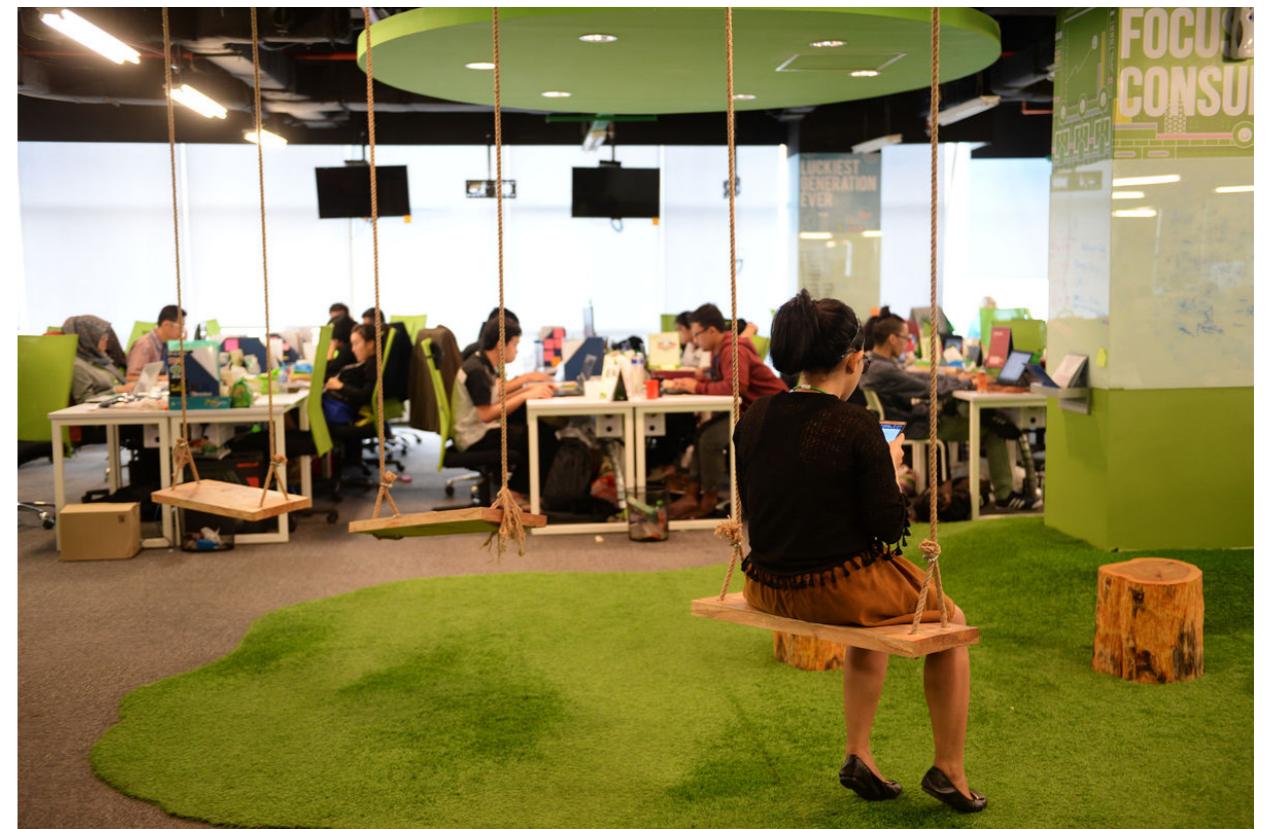
# What is it like to work at a startup? (2)



# What is it like to work at a startup? (3)



# What is it like to work at a startup? (4)



# **Thank you**

See you at the next meetup

[@yogieputra8](https://twitter.com/yogieputra8)