Stack Refactoring

JS(Saturday) :: Nov 10, 2012

Hello

@aaronheckmann

10gen | the MongoDB company

mongoosejs.com

Stack Refactoring

Stack Refactoring

- application development

Stack Refactoring

- application development
- data model

Stack Refactoring

- application development
- data model

Storytime

3

gmail

3

gmail

3

ajax

gmail

web 2.0

3

ajax

gmail

web 2.0

3

ajax

rounded corners

gmail

web 2.0

mobile

3

ajax

rounded corners

gmail

web 2.0

3

mobile

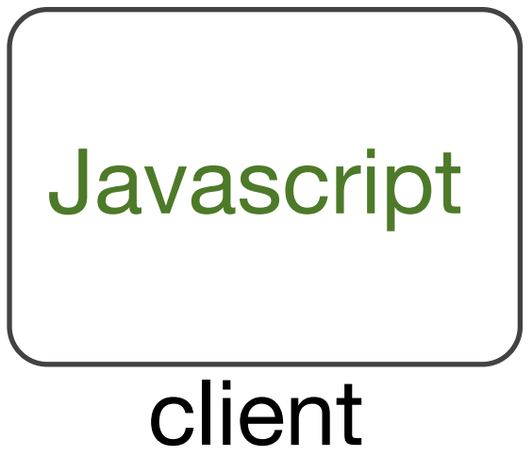
geo aware

ajax

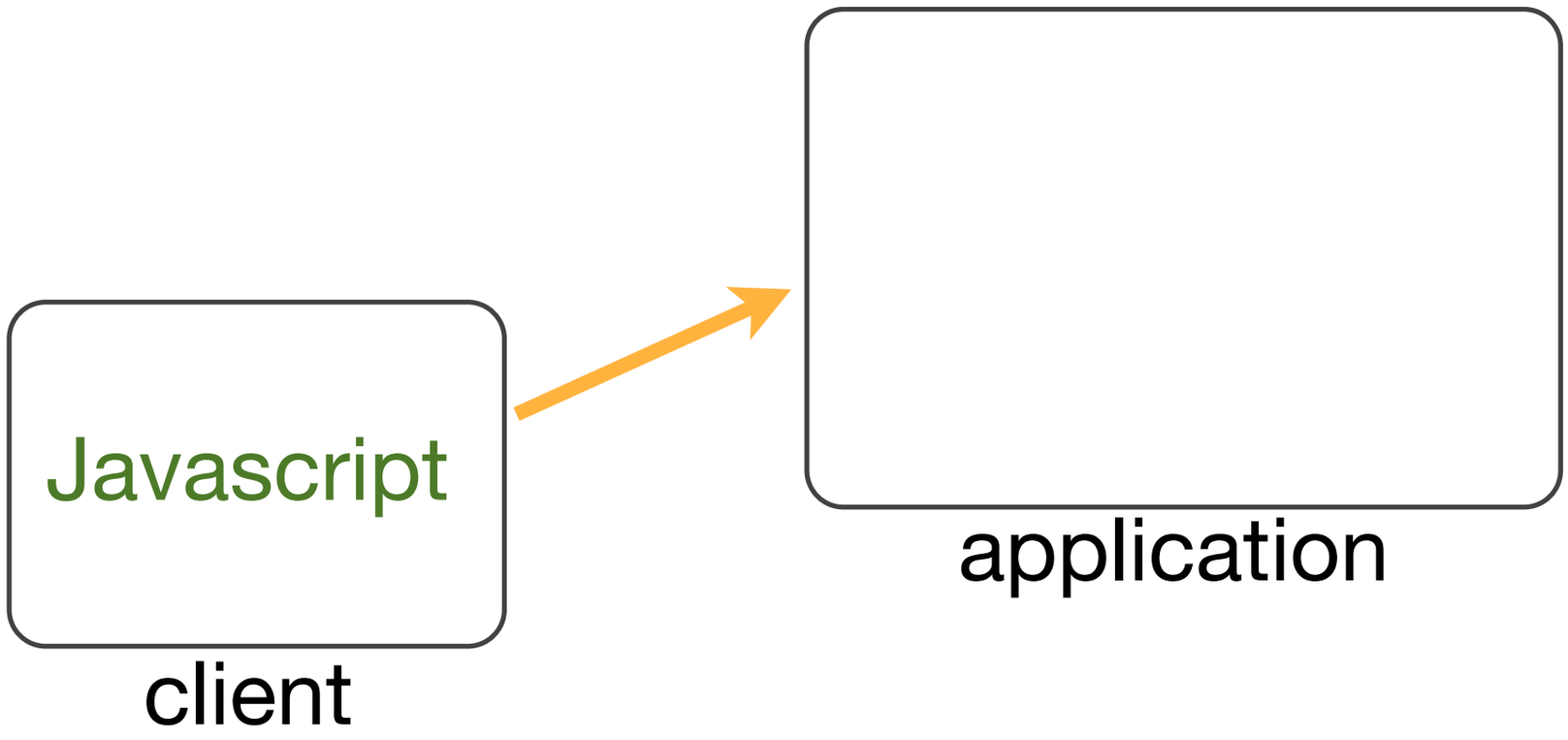
rounded corners

Stack Refactoring

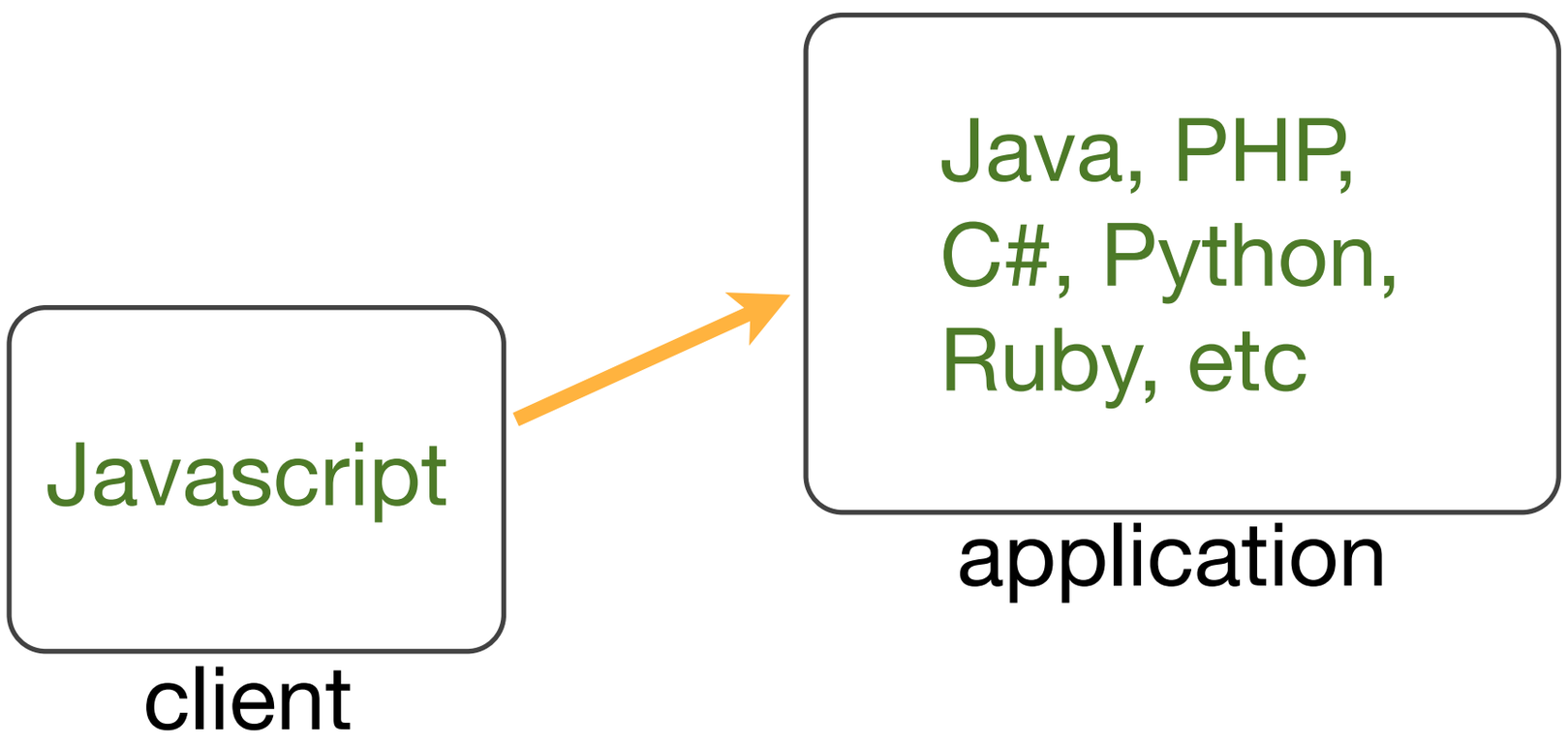
Stack Refactoring



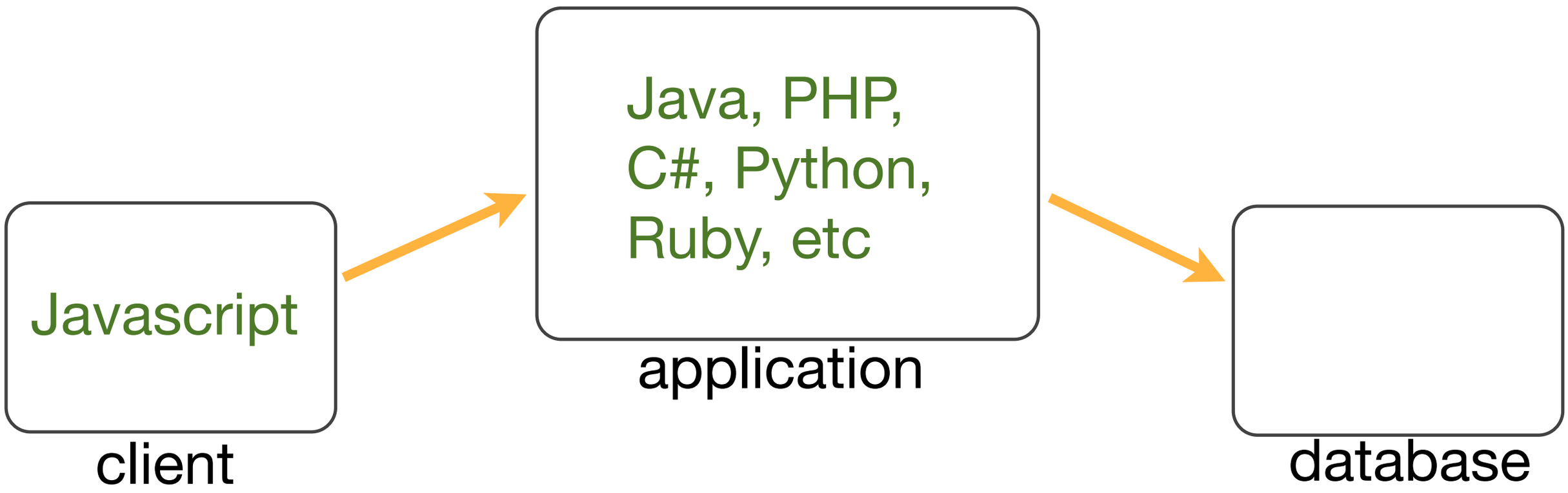
Stack Refactoring



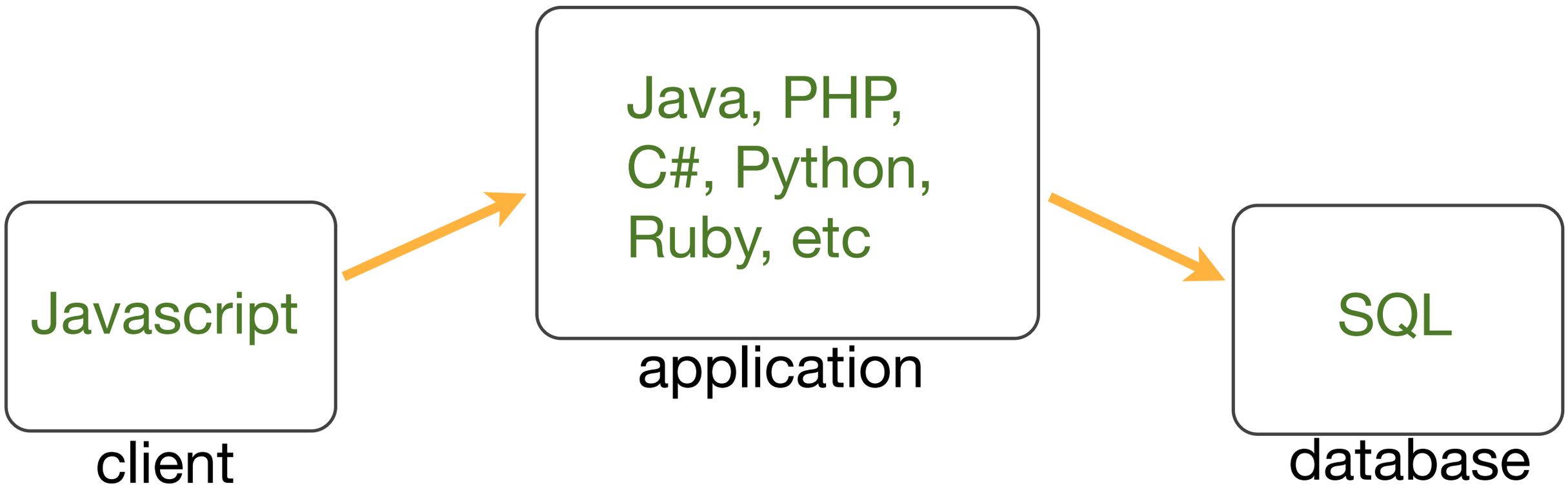
Stack Refactoring



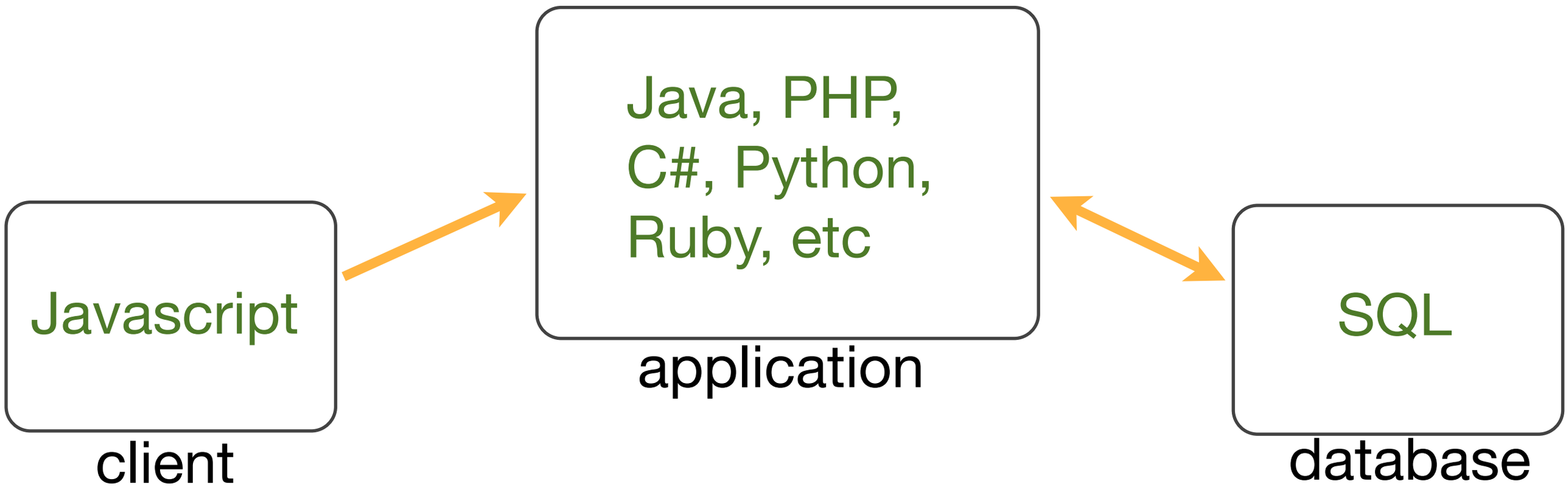
Stack Refactoring



Stack Refactoring



Stack Refactoring



Stack Refactoring

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Javascript

client

Java, PHP,
C#, Python,
Ruby, etc

application

SQL

database

Stack Refactoring

Stack Refactoring

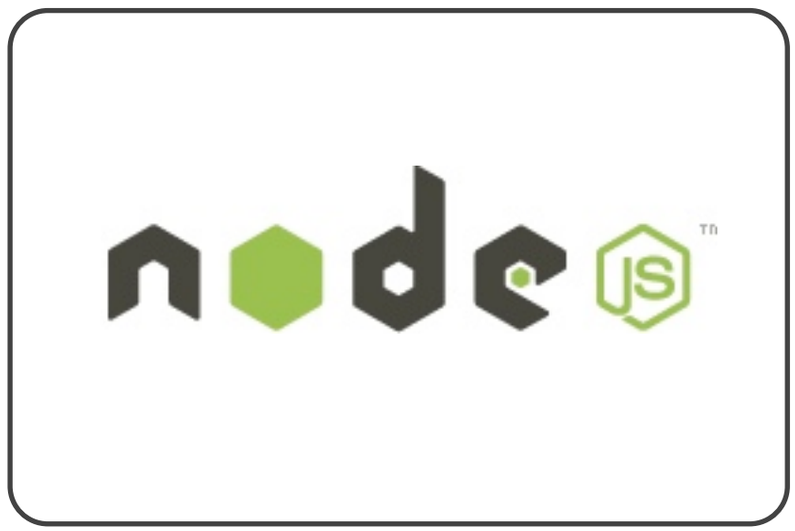
Stack Refactoring

Stack Refactoring

Stack Refactoring

Javascript

client



application

database

mongoDB

- document oriented

- document oriented VS relational

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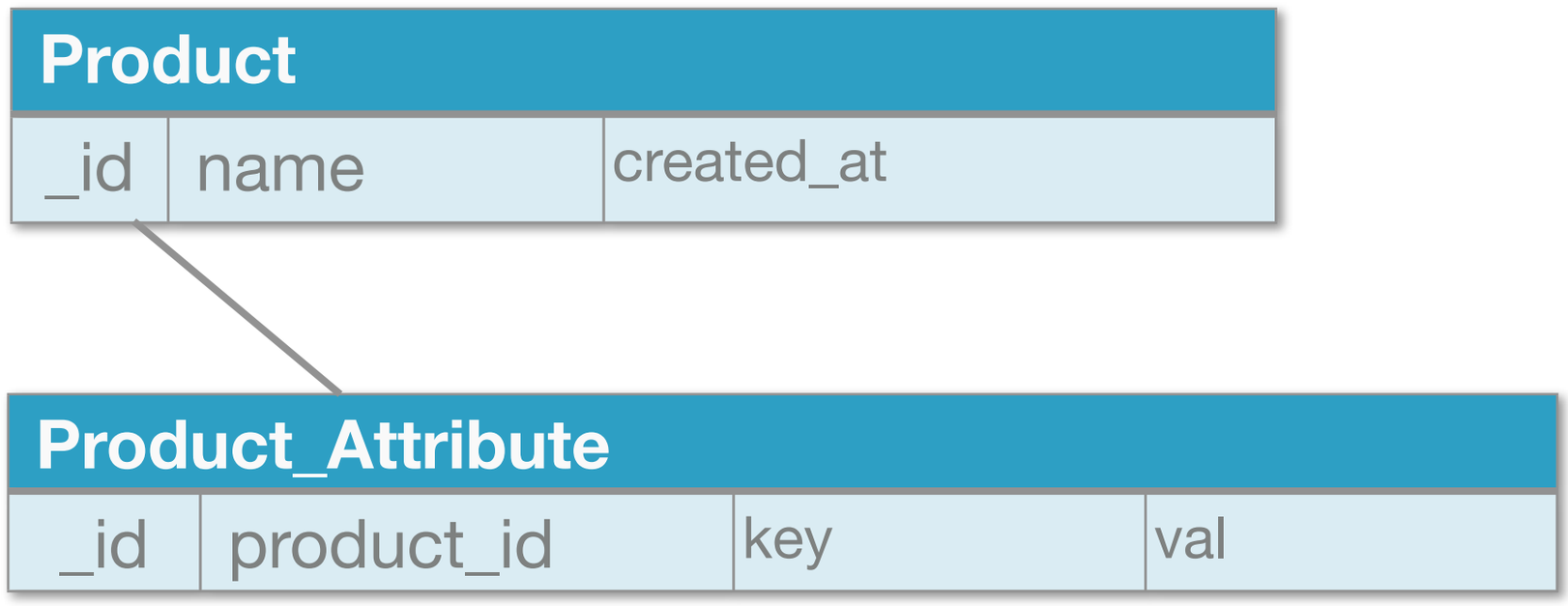
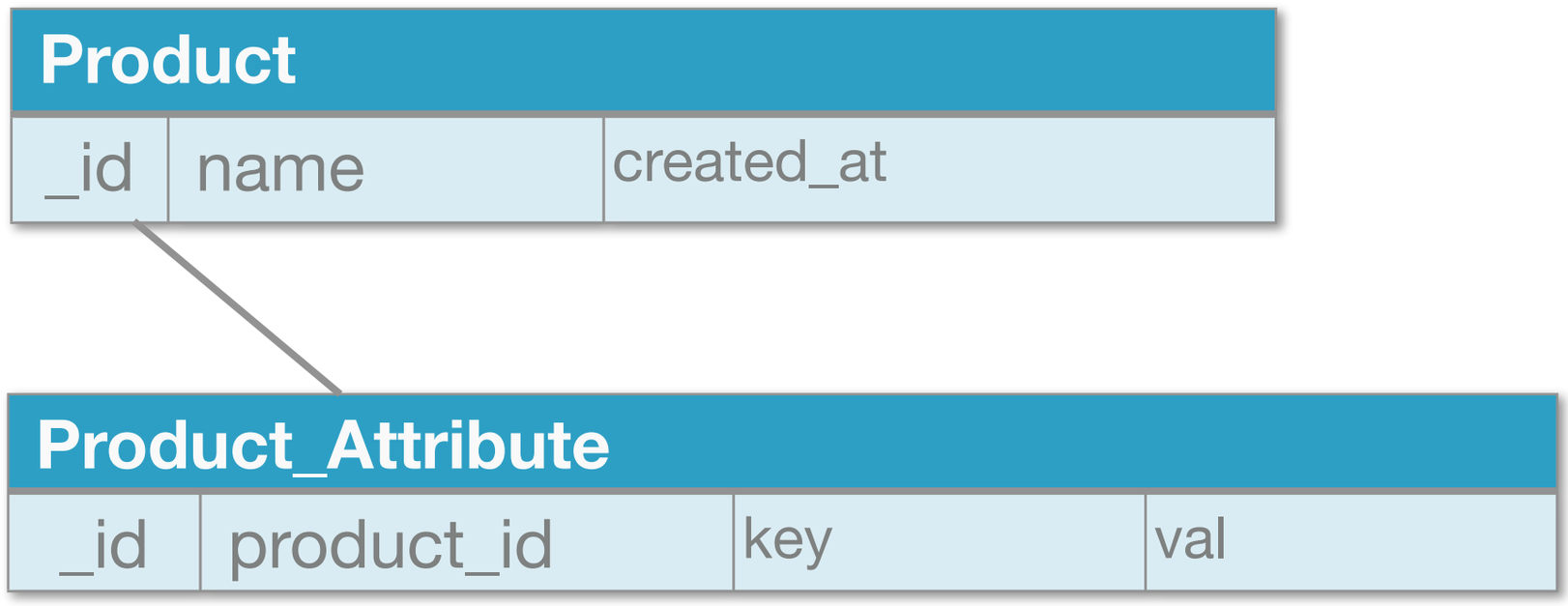
Product		
_id	name	created_at

- document oriented VS relational



- document oriented VS relational
- assembly required



- document oriented VS relational
- assembly required
- app model != storage model

- document oriented

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- dynamic schema

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- rich query api

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- atomic operators

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- dynamic schema
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- atomic operators
- secondary indexing

- document oriented
- dynamic schema
- rich query api
- atomic operators
- secondary indexing
- javascript shell

1

1

1 language

to rule them all

1 language

to rule them all

Javascript

1 language

to rule them all

Node.js + MongoDB

mongoosejs.com

Mongoose

- What is it?
- Schema driven
  - Why?

Mongoose

- Validation
- Object lifecycle management
- Model statics
  - custom
- Document methods
  - custom

Mongoose

- QueryBuilder
- Population
- Schemas stored as JSON
- Plugable schemas
  - plugins.mongoosejs.com
  - express, elastic search, custom types

Mongoose

- ReplicaSets support
- Sharding support

Stack Refactored

www.mongodb.org/downloads
mongoosejs.com
plugins.mongoosejs.com

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