

Django with Mongo using Mongoengine

django



mongoengine

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#cncdnua, Donetsk, December 2011

Other ways to use Mongo with Django

Which Python API should be used with Mongo DB and Django?

- PyMongo

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- Mongoengine

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- Django MongoDB Engine
- MongoDB backend for Django-nonrel

Django

The Web framework for perfectionists with deadlines.

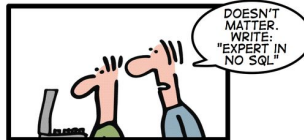
Using Django

- [Disqus](#)
- Many newspapers: Washington Post, Guardian, Lawrence.com.

In Donetsk

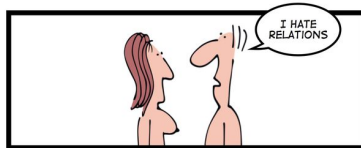
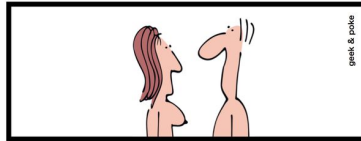
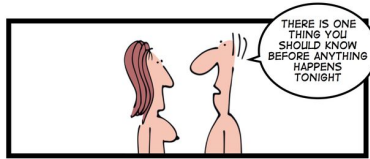
- [Steelkiwi](#)
- [MLSDev](#)

HOW TO WRITE A CV



Leverage the NoSQL boom

The Hard Life of a NoSQL Coder



Part 1: The Outing

Mongo

Mongo (from "hum**mongo**us") is a scalable, high-performance, open source NoSQL database.

Using Mongo

- Foursquare
- Catch

In Donetsk

- ?

Mongoengine

MongoEngine is a Document-Object Mapper (think ORM, but for document databases) for working with MongoDB from Python.

Mongoengine example

```
from mongoengine import (Document, EmbeddedDocument,
                          ListField, StringField, IntField)

class Metadata(EmbeddedDocument):
    tags = ListField(StringField())
    revisions = ListField(IntField())

class WikiPage(Document):
    title = StringField(required=True)
    text = StringField()
    metadata = EmbeddedDocumentField(Metadata)
```


Mongoengine example (cont.)

```
>>> page.title = "Hello, World!"  
>>> for page in WikiPage.objects:  
>>>     print page.title
```

Tumblr (cont.)

- <http://wearethe99percent.tumblr.com/>
- <http://dearphotograph.com/>
- <http://stockingisthenewplanking.com/>
- <http://dudarev.tumblr.com/>

Tumblr

<http://mashable.com/2011/11/14/tumblr-infographic/>

- 35M tumblogs
- 45% photos
- Top 5 tags: GIF, LOL, Fashion, Art, Vintage
- 218% growth (from June to June)
- \$800M valuation

Mumblr

- [Harry Marr](#) - developer of Mongoengine
- [Mumblr](#) - Tumblr clone

```
git clone https://github.com/hmarr/django-mumblr.git mumblr
cd mumblr
virtualenv .
source bin/activate
pip install -r requirements.txt
cd example
```

```
use mumblr-example
db.dropDatabase()
```

Credits

Logos

- [Django](#)
- [Mongo](#)
- [Mongoengine](#)

Comics

- [How to Write a CV](#)
- [The Hard Life Of A NoSQL Coder](#)

rst2pdf

- [rst2pdf](#)
- [style](#) by Alexis Métaireau was partially used