Philadelphia

{ 'name': "MongoDB User Group", 'location': 'Philadelphia' }

Your First MongoDB Application

A Beginner's Introduction to MongoDB

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Wifi: WeWork Guest (pw: ...)



Preparing for Beginner MongoDB MUG

- 1. Install MongoDB
 - a. See here: https://docs.mongodb.com/manual/installation/
- 2. Test Launching MongoDB
 - See here:
 https://docs.mongodb.com/manual/tutorial/manage-mongodb-pr

 ocesses/
- 3. Load Some Data
 - a. http://bit.ly/2xmQMYl



- Database concepts
- 2 Installing MongoDB
- Building a basic blogging application
- 4 Adding an index
- 5 Query optimization with explain
- 6 Questions

Summary of Database Concepts

- Why NoSQL exists
- The types of NoSQL database
- The key features of MongoDB
- Data durability in MongoDB Replica Sets
- Scalability in MongoDB Sharding



Concepts

Relational	MongoDB
Database	Database
Table	Collection
Row	Document
Index	Index
Join	Lookup
Foreign Key	Reference
Multi-table transaction	Single document transaction



Document Store

```
name: "Michael Lynn",
title: "Sr. Solutions Architect",
address: {
    address1: "1601 Market Street",
    address2: "19th Floor",
    city: "Philadelphia",
    state: "PA",
    zipcode: "19123"
},
expertise: [ "MongoDB", "Python", "Javascript" ],
employee_number: 798,
location: {
    type: "point",
    coords: [ 39.953097, -75.167352]
```



Document Store

```
name: "Michael Lynn",
title: "Sr. Solutions Architect"
address: {
     address1: "1601 Market Steet",
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expertise: [ "MongoDB", "Pythor
employee_number: 798,
location: {
     type: "point",
     coords: [ 39.953097, -75.167352]
```

```
name: "Joe Drumgoole",
    title: "Director of Developer
ivocacy",
    address: {
         address1: "Latin Hall",
         address2: "Golden Lane",
         eircode: "D09 N623",
    expertise: [ "MongoDB", "Python
Javascript"],
    location: {
         type: "point",
         coords: [ 53.34, -6.26 ]
```

