

# MongoDB Training Agenda

## Day 1 - Developer Training Part I

### 1. MongoDB Introduction

- What is MongoDB and Why?
  - Core concepts
  - Environments
  - Documentation
- Different deployment models
- JSON
- Installation

### 2. CRUD and the MongoDB shell

- Introduction to the MongoDB API and the core concepts of documents and collections

### 3. Indexing and Schema Design

- Indexing, query profiling and the query optimizer
- Some schema design case studies
- Practice modeling various domains
- Schemas for atomic operations

## Day 2 - Developer Training Part II

### 4. Drivers

- How the drivers work in general
- Driver APIs with examples

### 5. Replication

- Overview of replication
- Setting up replica sets

### 6. Sharding

- Overview of sharding
- How sharding affects application design

### 7. Performance Troubleshooting

- Getting information about MongoDB
- Performance indicators

### 8. Additional topics as time/interest permits

- GeoSpatial Indexes
- GridFS
- Aggregation

**Q & A and Hands-on work.**