At EDUCBA, it is a matter of pride to us to make job oriented hands on courses available to anyone, any time and anywhere.

Learn at a time and place, and pace that is of your choice.

Plan your study to suit your convenience and schedule.

# EDUCBA

# MongoDB Certification

# Course Overview

You get to learn NoSQL data model, managing database through MongoDB, data modeling, Cassandra administration, web development using Node JS and Mongo DB from scratch to advanced level.

In this MongoDB Certification course, we are going to learn about the technology that makes it very easy for the system owners or administrators to handle huge sum of data.

# MongoDB Tutorial Skills

We learn the following skills:

In this tutorial, you will be transformed into a MongoDB developer who has all the hands-on skill of working with the large sum of significant data.

You will be learning how to introduce MongoDB in real usage to solve the complex business problems where data can be a savior.

# Course Features

Course Duration- 20 + Hours

5    Number of Courses

Verifiable Certificates

Lifetime Access

Technical Excellence

# About MongoDB

MongoDB can be defined as the database management system that is capable to process significant unstructured data exist in various MIME type. MongoDB has taken over the traditional approach of working with data which was introduced by MySQL.

MongoDB could also be explained as the management system that comprises the database and SQL that allows one to interact with the database.

It is very important to know that the main reason for introducing MongoDB is due to the requirement of efficient data handling.

# MongoDB Course

This is a Bundle Course that includes complete in-depth MonoDB Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a MongoDB Learning professional.

# 1 NoSQL Fundamentals

## Section 1. Introduction

- A Brief History of NoSQL
- Schema Agnostic
- Nonrelational
- Enterprise NoSQL
- Recent Trends in IT
- NoSQL Benefits and Precautions

## Section 2. NoSQL Database Design and Terminology

- Managing Different Data Types
- Triple and Graph Store
- Hybrid NoSQL Databases
- Applying Consistency Method
- Choosing ACID or BASE?
- Developing Application on NoSQL
- Semantics
- Public Cloud

## Section 3. Common Features of key Values Stopres

- Managing Availability
- Versioning Data

# 2 MongoDB

## Section 1. Introduction

- Working   With Data MongoDB

- Viewing   Available Databases

- Using   Dot Notation

- Retrieving   a Single Document

- Grouping   Your Results

- Working   with Conditional Operators

- Specifying   an Array of Matches

- Searching   Multiple Expressions

- Filtering   Results

- Matching   Entire Array

- Leveraging   Regular Expressions

- Appending   a Value to a Specified Field

- Removing   Elements From an Array

- Using Update if Current Method

# 3 Introduction to MongoDB Courses For Beginners

## Section 1. Overview of NoSQL

- Introduction to NoSQL And SQL vs NoSQL
- CAP Theroem and ACID BASE

## Section 2. Learning about MongoDB features

- Introduction to MongoDB
- Data Model,Installation and CRUD
- MongoDB Queries
- Memory Mapped File and Replica Set

## Section 3. Understanding Queries, Operators & Expressions

- Inserting Queries and Search Queries
- Sorting Queries
- Limiting Queriers
- Updating Queries
- Deleting Queries
- Conditional Operators
- Regular Expressions

# 4 NoSQL Course - MongoDB Developer

## Section 1. Understanding MongoDB

- Working with MongoDB
- MongoDB Running & Core Binaries
- Design Schema
- Example- Skeleton Code
- Learning Advanced Concepts

## Section 2. Introduction to NoSQL

- NoSQL Data Model
- Course Agenda

## Section 3. Introduction to NoSQL- Cassandra Developer

- Agenda - Cassandra
- Architecture

## Section 4. Data Model

- Introduction to Data Model
- Data Model Queries
- Indepth CQL

## Section 5. Data Modelling

- Data Modelling
- Complex Queries
- Data Modelling in depth
- Whiteboard

## Section 6. Introduction to NoSQL- Cassandra Administration

- Introduction to Architecture

## Section 7. Deployment

- Deployment

## Section 8. Replication and Sharding

- Replication
- Sharding

## Section 9. Performance Monitoring Strategies

- Performance Monitoring Strategies

# 5 Web Development using Node JS and MongoDB

## Section 1. Introduction

- Introduction to Web Application and Mongo DB

## Section 2. Installation

- Movie Application Structure

## Section 3. Movie Application Implementation and Implementation

- Movie Application Implementation
- Movie Application Implementation Example

## Section 4. Editing Data and Delete Action

- Editing Data in NodeJs
- Deleting Data in NodeJs
- Node JS Delete Action using AJAX

## Section 5. Image Upload

- Image Upload
- File Upload
- File upload to Mongo DP
- Adding Get Poster
- Replace Update Function

## Section 6. Edit Data

- Edit Data
- Update Data

## Section 7. Validation of Data

- Validation of Data
- Editing Finish

## Section 8. Front View

- Front View
- Front View Implementation
- Rating Implementation

## Section 9. Review

- Review Collection Creation
- Review Dialog start
- Review Dialog implementation
- Review Save

# 5  Web Development using Node JS and MongoDB

# Frequently Asked Questions

### Why should one learn MongoDB?

As we already discussed in the previous sections that the applications these days have to be capable to handle or work with abundant unstructured data, most of the databases are migrating from MySQL to NoSQL which ensures huge opportunity in near future. It is the new technology over the traditional one and hence the most preferred one as well.

### How long I will take to learn this MongoDB Certification Course?

If you are very new to the backend technology than you might take two to three months to learn this while if you are IT professional having hands-on experience in MySQL or SQL, you will be able to learn it by one month. It totally depends on you and your tendency to learn but anyhow taking the average of one and a half month, you will be able to understand the concepts and can begin working on it.

# ★ Customer Reviews

" I am glad I chose this method of learning this material. This feedback is my journey with educba site and its course.Very detailed and in depth information, each topic was explained properly by the tutor. I liked the course a lot. The videos and slides were great and I'm sure the knowledge which I have got through this course is going to help me over the rest of my career.

**Shaurya Bhagat**

" Very nice course, short and full of information, gives enough information for anybody who wants to start working with MongoDB. Pronunciation of the lecturer is very good and there is absolutely no problem to understand him. Fusion of theory and examples at the same time is very fresh and it is helping to learn things fast.

**Marko Žbirka**

" The course covered all basics to advanced level of Mongo DB, It describes briefly about each topic of the course including example of each commands, Also each command has been explained in detail. The course is highly recommended to others and I must say, Instructor is very knowledgeable.

**Syed Obaid Ullah**

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