

Related Roadmaps

- Backend Roadmap
- Node.js Roadmap

Find the detailed version of this roadmap along with resources and other roadmaps

<https://roadmap.sh>

MongoDB

MongoDB Basics

SQL vs NoSQL

What is MongoDB

When to use MongoDB?

What is MongoDB Atlas?

MongoDB Terminology

BSON vs JSON

Embedded Documents and Arrays

Data Model and Data Types

Double

String

Array

Object

Binary data

Undefined

ObjectId

Boolean

Date

Null

Regular Expression

JavaScript

Symbol

Int32 / Int

Int64 / Long

Timestamp

Decimal128

Min Key

Max Key

Counting Documents

insert() and relevant

find() and relevant

update() and relevant

deleteOne() and others

bulkWrite() and others

validate()

Useful Concepts

Read / Write Concerns

Cursors

Retryable Reads / Writes

\$project

\$include

\$eq

\$gt

\$lt

\$exclude

\$slice

\$lte

\$gte

\$ne

Projection Operators

Comparison Operators

\$in

\$nin

\$all

\$elemMatch

\$size

Array Operators

\$and

\$or

\$not

\$nor

Logical Operators

\$exists

\$type

\$regex

Element Operators

Pipelines, Stages and Operators

MongoDB Aggregation

Common Operators

\$match

\$group

\$sort

\$project

\$skip

\$limit

\$unwind

\$lookup

\$sum

Performance Optimization

Creating Indexes

Single Field

Compound

Text

Geospatial

Expiring

Index Types

Atlas Search indexes

Query Optimization

Query Operators

Transactions

Developer Tools

Replicasets

Sharded Clusters

Scaling MongoDB

Tuning Configuration

Indexing

Query Optimization

Analyzer

VS Code Extension

Language Drivers

MongoDB Connectors

Developer Tools

Backup and Recovery

mongodump

mongorestore

Kafka

Spark

Elastic Search

MongoDB Security

Role-based access control

X.509 Certificate Auth

Kerberos Authentication

LDAP Proxy Auth

MongoDB Audit

Encryption

Encryption at Rest

Queryable encryption

Client-Side Field Level

TLS / SSL Encryption

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Backend Roadmap

DevOps Roadmap