DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

# Database Security Foundation Training

Explain how SQL and NoSQL databases work, where they are attacked and which controls protect them in SQL Server and MongoDB.

| | | |
|---|---|---|
| LIVE ONLINE<br>**Max 8-10 hours** | CORPORATE (DAY-WISE)<br>**1 day · Day 1** | SELF-PACED VIDEO<br>**1-year LMS access** |
| BATCH SIZE<br>**Max 10 learners** | NEXT BATCHES<br>**1st of every month · weekends: first Saturday** | CERTIFICATE<br>**Verifiable certificate of completion** |

| **Foundation** | **Essential** | **Intermediate** | **Advanced** |
|---|---|---|---|
| 1 day · This curriculum | 2 days · Next step | 3 days · Later | 5 days · Later |

## INSIDE THIS CURRICULUM


| | |
|---|---|
| What you will achieve | Outcomes and level focus |
| Who should attend | Audience and prerequisites |
| Agenda | 12 topics · Foundation |
| Hands-on labs | 1 lab |
| Formats and fees | Live, 1:1, self-paced, corporate |
| Trainer and reviews | Rajesh Kumar |
| Enrolment | Batches, payment, contacts |


## WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

**Course page:** www.devopsschool.com/courses/databases/database-security-foundation-training.html
**Talk to us:** WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

# What you will achieve

By the end of the Database Security course path, you will be able to:

1

### Harden SQL and NoSQL

Apply CIS-aligned hardening, encryption and least-privilege access to SQL Server and MongoDB.

2

### Audit every sensitive action

Configure native database auditing and stream it to a SIEM with alerts for risky activity.

3

### Prove compliance with evidence

Map database controls to GDPR, PCI DSS and DPDP requirements and produce audit-ready evidence.

WHAT THE FOUNDATION LEVEL ADDS

### Database fundamentals, threats and engine architecture

**Hands-on:** Map the attack surface of two databases. Install SQL Server and MongoDB in containers, create logins and users, and document every open port, default account and privilege you find.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Database Security and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Database Security on real work.
- Leads and managers who want first-hand familiarity with Database Security.

BEFORE YOU START

- No prior Database Security experience is needed.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION

# Database Security Foundation Training agenda

12 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

## DAY 1 — Foundation: Database fundamentals, threats and engine architecture

**New at this level**

1. Database fundamentals: data models, tables and documents, transactions, ACID and the role of databases in business systems
2. DBMS and RDBMS: schemas, primary and foreign keys, SQL, normalisation and how relational engines enforce integrity
3. NoSQL databases: document, key-value, wide-column and graph models; BASE versus ACID trade-offs
4. Common threats and challenges: SQL and NoSQL injection, excessive privileges, weak credentials, unpatched engines, exposed ports
5. Database security issues: data breaches, insider misuse, ransomware, stolen backups and misconfigured cloud databases
6. Database administrator role: security duties, separation of duties, change control and least privilege for DBAs
7. Controls and policies: preventive, detective and corrective controls; access, password, retention and backup policies
8. MS SQL Server architecture: instances, system databases, protocol layer, relational engine, storage engine and SQLOS
9. SQL Server security model: logins versus users, server and database roles, schemas, Windows and SQL authentication
10. MongoDB architecture: mongod, BSON documents and collections, replica sets, sharding with mongos and config servers
11. MongoDB security model: SCRAM authentication, role-based access control, built-in roles, bindIp and default exposure risks
12. Lab environment: SQL Server 2022 and MongoDB Community in Docker, connecting with sqlcmd, SSMS and mongosh

PRACTICE

# Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

**Map the attack surface of two databases**

Install SQL Server and MongoDB in containers, create logins and users, and document every open port, default account and privilege you find.

HOW YOU CAN LEARN

## Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

| FORMAT | DURATION | WHAT YOU GET | FEE |
|---|---|---|---|
| **Live & interactive (online)** | Max 8-10 hours | Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month. | **INR 34,999** |
| **1:1 live training (online)** | Max 8-10 hours, one-to-one | The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace. | **INR 99,999** |
| **Self-paced video** | 1-year LMS access | All four Database Security levels, plus 20+ more courses and 50+ tools, at your own pace. | **INR 833/month** billed yearly at INR 9,996 |
| **Corporate (day-wise)** | 1 day for this level | A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative). | **Quote on request** |

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

## Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

| | |
|---|---|
| **20** years in industry | **200+** corporate trainings |
| **10,000+** engineers mentored | **70+** organisations coached |

REVIEWS

## What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR DATABASE SECURITY TRAINING

## Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/databases/


ENROL OR RESERVE A SEAT
**Database Security Foundation Training**

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**Next step after this level: Database Security Essential Training** - Configure authentication, least-privilege roles, encryption and native auditing on SQL Server and MongoDB for everyday operations.