DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Postgresql Foundation Training

Install PostgreSQL, understand its architecture and create databases, schemas, tables and roles with your first SQL queries.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **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	11 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/postgresql/postgresql-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 Postgresql course path, you will be able to:

1

Write effective PostgreSQL SQL

Write correct, fast SQL with joins, window functions, CTEs, JSONB and the right indexes.

2

Administer PostgreSQL safely

Install, configure, secure, back up and monitor PostgreSQL servers with confidence.

3

Run PostgreSQL at scale

Design highly available, partitioned and tuned PostgreSQL platforms on servers, cloud and Kubernetes.

WHAT THE FOUNDATION LEVEL ADDS

PostgreSQL architecture, install and basic SQL

Hands-on: Install PostgreSQL and build a schema. Install PostgreSQL, create a database, schema and login role, then create tables with constraints and run insert, query and update statements.

WHO SHOULD ATTEND

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

BEFORE YOU START

- No prior Postgresql 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

Postgresql Foundation Training agenda

11 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: PostgreSQL architecture, install and basic SQL

New at this level

1. PostgreSQL overview: object-relational design, ACID, MVCC, open-source licence and highlights of PostgreSQL 17 and 18
2. Architecture: postmaster, backend processes, shared buffers, WAL, background writer, checkpointer and autovacuum
3. Installation: PGDG packages on Ubuntu and RHEL, the official Docker image, the Windows installer, initdb and PGDATA
4. Connecting: psql meta-commands such as \l, \c, \dt and \d+, pgAdmin 4 and DBeaver
5. Databases and schemas: CREATE DATABASE, CREATE SCHEMA, search_path and public schema permissions since PostgreSQL 15
6. Data types: integer, numeric, text, varchar, boolean, date, timestamptz, uuid, arrays and jsonb
7. Creating tables: primary keys, identity columns, NOT NULL, DEFAULT and CHECK constraints
8. Basic SQL: INSERT, SELECT with WHERE, ORDER BY, LIMIT and OFFSET, UPDATE, DELETE and RETURNING
9. Roles and login: CREATE ROLE, LOGIN, scram-sha-256 passwords and pg_hba.conf basics
10. Configuration basics: postgresql.conf, listen_addresses, port, SHOW, ALTER SYSTEM, reload vs restart
11. Service management: pg_ctl and systemctl, server logs and checking status with pg_isready

PRACTICE

Hands-on labs

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

FOUNDATION

Install PostgreSQL and build a schema

Install PostgreSQL, create a database, schema and login role, then create tables with constraints and run insert, query and update statements.

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 Postgresql 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 POSTGRESQL 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/postgresql/

ENROL OR RESERVE A SEAT **Postgresql Foundation Training**	WHATSAPP · INDIA **+91 99057 40781**
WHATSAPP · USA **+1 (469) 756-6329**	EMAIL **contact@DevOpsSchool.com**

Next step after this level: Postgresql Essential Training - Write production-quality SQL with joins, window functions, transactions, indexes, JSONB and privileges for team applications.