

PostgreSQL Short Course

40 · R14,995

PostgreSQL is the world's most advanced open-source relational database. This course covers database design from ERDs to implementation, advanced SQL queries, indexing strategie...

40

Hours of Training

R14,995

Course Fee

5 Days

Full-Time Option

JHB · CPT

+ Online Nationwide

COURSE CURRICULUM

What You'll Learn

PostgreSQL Setup & psql

Install PostgreSQL, use psql and pgAdmin, understand roles and authentication.

Database Design & ERDs

Entity-Relationship Diagrams, normalisation (1NF–3NF), primary and foreign keys.

DDL & DML

CREATE, ALTER, DROP; INSERT, UPDATE, DELETE, TRUNCATE — with safety.

Advanced SELECT

JOINS (inner, left, right, full, cross, self), subqueries, CTEs and window functions.

Aggregation & Grouping

GROUP BY, HAVING, aggregate functions and ROLLUP/CUBE.

Indexes & Query Planning

B-tree, hash and partial indexes; EXPLAIN ANALYZE and query optimisation.

Transactions & Concurrency

ACID properties, isolation levels, locking and avoiding deadlocks.

Stored Procedures & Functions

PL/pgSQL functions, control flow, loops and using them from your application.

Triggers & Views

Row-level and statement-level triggers; materialised views.

Backup, Restore & Security

pg_dump, pg_restore, row-level security and production best practices.

WHAT TO EXPECT

Your Learning Experience



Expert-Led Training

Taught by experienced bootcamp instructors with 30+ years of combined industry experience.



Hands-On Projects

You write code from day one. Every concept is reinforced with real exercises and a practical project you keep.



Johannesburg & Cape Town

Attend in-person at our Woodmead (JHB) or Cape Town campus, or join 100% online from anywhere.



Certificate of Completion

Receive a Code College certificate on completion — recognised by employers across South Africa.

2026 PRICING

Investment

PRE-PAID — BEST VALUE

R14,995

One flat price — no hidden fees

FULL PRICE

R14,995

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Get in Touch

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