SQL Server for .NET Application Developers

Category: Software Development & Programming | **Vendor:** Various

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Become a full stack developer. This course teaches you the essential basics and skills that will help you as a .NET developer to build more stable, faster, and secure solutions using SQL Server.

About This Course

Basics

- Repetition of the database basics
- Various database types and products
- Database design
- Software Architecture
- NoSQL databases

SQL

- Repetition interrogation techniques
- Stored Procedures in TSQL und C#
- SQL Server as .NET runtime environment

Database access techniques

- Transactions
- Entity Framework
- Other OR/Mapper

Tooling

- SQL Server Management Studio
- Visual Studio / Data Tools
- tips and tricks
- ALM in applications (FTS)

Database

- The main administrative points
- DB interfaces (views, stored procedures, ...)
- Data quality
- Monitoring
- Operation

Performance und Security

- Performance measurements/analysis

Performance improvements

- Indexe
- Administratives
- Query optimizations
- Infrastructure Aspects
- In-memory techniques

Brief introduction of new techniques in SQL Server 2019

- Big Data
- Data Science
- AI

Who Should Attend

Application developers, .NET specialists and software developers

Prerequisites & Entry Requirements

General Prerequisites:

Programming knowledge

Learning Outcomes

Upon successful completion of this course, participants will be able to:

You know the basics of the various Windows databases and learn how to develop stable, secure applications in SQL Server 2019.

Detailed Course Outline

Database basics repetition, DB types and design, software architecture, NoSQL databases

SQL: Stored Procedures in TSQL and C#, SQL Server as .NET runtime

Database access: Transactions, Entity Framework, OR/Mappers

Tooling: SQL Server Management Studio, Visual Studio/Data Tools, ALM in applications

Database administration: DB interfaces, data quality, monitoring, operation

Performance and security: indexes, query optimizations, in-memory techniques, infrastructure

New SQL Server techniques: Big Data, Data Science, AI

Skills You Will Learn:

You know the basics of the various Windows databases and learn how to develop stable, secure applications in SQL Server 2019.

Frequently Asked Questions

Q: What delivery options are available for SQL Server for .NET Application Developers?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day SQL Server for .NET Application Developers course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the SQL Server for .NET Application Developers training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for SQL Server for .NET Application Developers?

Yes, we provide corporate training, dedicated training, and closed classes for SQL Server for .NET Application Developers. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: SQL Server for .NET Application Developers, SQL, SQL04

Q: Why choose Nexus Human for SQL Server for .NET Application Developers?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your SQL Server for .NET Application Developers training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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