

## IT HUNTER SOLUTIONS

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### MS SQL DBA

#### SQL Server Basics

- Client-Server database architecture and SQL Server architecture
- Installing MS SQL Server (2008, 2012 or earlier)
- Tables, relational databases, SQL and database objects
- Design and develop MS SQL Server databases and tables
- Referencing objects in SQL Server databases
- Obtaining information from database tables
- SQL Server security

#### Understanding Tables and Databases

- Creating databases manually
- Creating databases with database wizard
- Defining a maintenance plan wizard
- Databases using Transact-SQL
- Database manipulation: characteristics and deletions
- Working with tables

#### Indexes and Views

- The basics of index structures
- Creating and working with indexes
- Indexes and table architecture
- Creating views (including using view manager)
- Working with views
- Indexed views

## **Database Diagrams, The Query Analyzer and SQL Basics**

- Working with diagrams
- Diagramming for pubs database
- Server connectivity and Screen management
- Working with queries
- SQL essentials (select, create table, insert, delete, update)

## **Stored Procedures, Triggers and Replication**

- Components of stored procedures
- Creating and working with stored procedures/system stored procedures
- Components of triggers
  - Creating and working with triggers
  - Replication model and types of replication
  - Merge replication

## **Data Transformation Services (DTS), Back Ups/Restores, Users, Roles, Logins and Analysis Manager**

- Creating, importing and exporting DTS
- Creating, scheduling backups and restores
- Authentication types, users, roles, security plans
- Configuring DSN, loading analysis manager and working with cubes
- Work on a final project