

## Vidhyavathi V

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**To contribute to the success of an organization by completely utilizing my skills and knowledge in the field of IT services in a position with growth and development.**

### Summary

#### Data Engineer

#### Professional Synopsis

- 8 years of total experience as a SQL Developer and DBA which includes Production database support
- 3 years of IT experience involving Big Data and Hadoop ecosystem
- 3 years of experience in working with databases and Data migration, Data extraction, transformation, processing, and data reporting
- Worked in Spark, Pyspark, Hadoop, Hive, Sqoop
- Worked in Azure Data Factory, Azure Data Bricks and ADLS
- Installing and configuring SQL Server 2005/2008/2008R2/2012/2014/2016/2017. Applying service packs & cumulative updates
- Creating Databases with files and file groups and configuring backup recovery plan
- Troubleshooting the backup failures and recovering databases from the point of crash
- Basic knowledge in SSIS, SSRS and SSAS of SQL MSBI tools
- Hands on experience on Always-on and mirroring in production, testing and development environment
- Maintaining the high availability of the databases by minimizing the downtime
- Experience in handling administrative tasks, Database Monitoring tasks, Diagnosing Database and fixing the problems
- Take the database reporting needs and turn them into powerful SQL queries that will extract data and compile it into meaningful reports
- Perform data loads and routine updates on an ongoing basis
- Experience in Disaster Recovery Plans, Database backups and Restorations
- Querying Microsoft SQL Server 2008 / 2008 R2 / 2012
- Develop database application forms in coordination with SQL tables and stored procedures
- Manage multiple projects at one time. Strong database stored procedure experience
- Take the database reporting needs and turn them into powerful SQL queries that will extract data and compile it into meaningful reports
- Determined the software specifications of customers by actively listening to what their system needs Were
- Wrote SQL queries in MSSQL Server 2005
- Utilized Visual Studio 2012 in order to develop dynamic reports
- Knowledge on Incident Management/Change Management/Problem Management process/ Human Error avoidance/Doer Checker process
- Interacting with Management, Development teams and Systems administrators
- Adaptable to a changing work environment and proven performer in pressure and deadline-driven environments
- Highly evolved communication and interpersonal skills with ability to lead bridge calls during production issues

## Organization: NTT Data

June'18 – Present: SQL Developer & DBA for NTT Data global Services

Client : SSIT  
Role : Application Data Support Team Lead  
Environment : MS SQL (2005, 2008,2014,2016,2018,2020)

### Core responsibilities/skills:

- The project scope involves the code migration of the Transactions from the on-premises server to the cloud infrastructure – Azure. To implement the code as scheduled pipeline in azure data factory using linked services and use the azure services for storage.

### **Responsibilities as Data Engineer:**

- Developed the spark code for the data processing of different file format from various sources of data in Pyspark framework
- Implemented various functionalities for the data transformations
- Implemented the file level validations and data level checks for the source files
- Developed spark sql queries for data processing and implemented various transformations on dataframes based on the requirement using Spark SQL
- Worked on migration project of the clinical model from on-premises spark server to azure cloud services
- Worked on creating the pipeline jobs and scheduled the job using linked services with azure databricks
- Worked on the testing and Validation of the pipeline code
- Developed Hive queries for the data transformation of the raw hive tables based on the business requirements and loaded the hive tables to the target conformance layer
- Developed pyspark code for the code migration project from SQL Server to Pyspark implementation
- Worked with AWS S3, Redshift and EMR for the pyspark code migration

### **Responsibilities as SQL Developer:**

- Designing database tables and structures
- Creating views, functions and stored procedures
- Writing optimized SQL queries for integration with other applications
- Creating database triggers for use in automation
- Developing stored procedures for the given requirements and debugging the Stored Procedures
- Maintaining data quality and overseeing database security
- Configuring and Enabling TDE on SQL Databases
- Monitor data file growth, log file growth and database growth as a part of capacity planning
- Deploy database change scripts provided by third party vendors
- Troubleshoot SQL Server service outages as they occur, including after-hours and weekends

### **Responsibilities as SQL DBA:**

- Installation, configuration and upgrading of SQL Server 2005/SQL Server 2008/SQL Server2008R2, SQL Server 2012, SQL Server 2014, SQL Server 2016, SQL Server 2017
- Configuring SSRS and security setup
- Backup client databases and perform database restore from SQL Server
- Creating users and giving appropriate permissions
- Ensuring right privileges are given based on role and group
- Maintaining Documentation for the complete environment

Key Projects

- Recovering the databases from backup in disasters
- Implementation of SQL Logins, Roles and Authentication Modes as a part of Security Policies for various categories of User Support
- Make sure daily, weekly database backups are archived on File servers, as per the Maintenance plan
- Recover databases in case of any crashes
- Ensuring high availability of the database exploiting the concepts log shipping, Mirroring, Clustering, Always on
- Configuring and maintaining snapshot and transactional replication
- Disaster recovery of the databases and performing DR checks every 3-6 months
- Ensuring the data synchronizing between the principal and mirror servers
- Maintained cluster servers to provide high availability
- Performing Production-Stage (or) Stage-Dev refreshes as per application team's requirements
- Static Portal design for Scheduling patches and automated mail notification mechanism – Using SSRS

### **Responsibilities as AZURE DBA:**

- Migration of SQL Server Instances from 2008 R2 to,2014,2016 to Azure SQL Environment
- Migrating on-premises SQL Server Database to Confidential
- Implemented new SQL Server features by performing successful POCs
- Worked on creating the containers and lookup files for the project in azure
- Worked with creating pipelines for implementing the Azure databricks code in Azure data factory using linked services and on the production deployment
- Testing of the pipeline with production sample load in UAT environment
- Developed tables and SPs to create External DataSource, Credentials and External tables
- Use of Query Store feature for monitoring performance of database systems
- Scripting PowerShell to automate database/Server level activities like monitoring disk space, Status of services etc.,
- Experience in Azure Cosmos DB creation, DB management and Json query development
- Worked in Azure Function APP to monitor Azure Cosmos DB
- Experienced in Securing data with Dynamic Data Masking, Always Encrypted, Row-level security
- Designed ETL process to move CDC data for reporting purpose as per business needs
- Configuring database instances for Development and Testing purpose

### **Performance Tuning:**

- 3+ years of experience in performance tuning MS SQL Server 2017/2016/2014/2012/2008/2005 for best performance
- Good knowledge in understanding query plans
- Experience in Creating, Suggesting and implementing Indexes (Clustered, Non-Clustered, Unique)
- 3+ years of experience in using tuning wizard in MS SQL Server 2017/2016/2014/2012/2008/2005 (SQL Profiler), performance monitor

## Organization: Sensiple

**Jan'18–Jun'18:** Sensiple Software Solutions – Senior SQL DBA

Client : Health Care Domain  
Role : SQL Database Administrator  
Environment : MS SQL (2008, 2012, 2014)

### Responsibilities as SQL DBA:

- Installation, configuration and upgrading of SQL Server 2005/SQL Server 2008/SQL Server2008R2, SQL Server 2012, SQL Server 2014, SQL Server 2016
- Configuring SSRS and security setup
- Backup client databases and perform database restore from SQL Server
- Creating users and giving appropriate permissions
- Recovering the databases from backup in disasters
- Implementation of SQL Logins, Roles and Authentication Modes as a part of Security Policies for various categories of User Support
- Make sure daily, weekly database backups are archived on File servers, as per the Maintenance plan
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## Organization: HCL

**Jul'14–Jan'18:** SQL DBA/ Senior Analyst for HCL Technologies Ltd.

Client : BB and T, Cummins Inc, Ford  
Role : SQL Database Administrator  
Environment : MS SQL (2000, 2005, 2008, 2008R2, 2012)

### Responsibilities as SQL DBA:

- Installation, configuration and upgrading of SQL Server 2005/SQL Server 2008/SQL Server2008R2, SQL Server 2012
- Backup client databases and perform database restore from SQL Server
- Creating users and giving appropriate permissions
- Ensuring right privileges are given based on role and group
- Maintaining Documentation for the complete environment
- Recovering the databases from backup in disasters
- Implementation of SQL Logins, Roles and Authentication Modes as a part of Security Policies for various categories of User Support
- Make sure daily, weekly database backups are archived on File servers, as per the Maintenance plan
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### Additional Tool Knowledge

- Handled Administration of Appworx Application manager – UC4 Tool Version 6 and 8
- Upgradation of application and agent installations
- Regular Refresh for RMI servers, If any issues in the Appworx master or agent
- Monitoring the jobs and management of backlogs
- User creations and assigning the prompt privileges
- Perform regular reviews of the database to identify performance problems, inadequate programming

### CAREER CONTOUR

From	To	
June 2018	At Present	<b>NTT Data Services</b>
January 2018	June 2018	<b>Sensiple Software Solutions</b>
July 2014	January 2018	<b>HCL Technologies</b>

### SKILL SET

Hadoop Ecosystem	Spark, Hive, Sqoop
Languages	Scala, Spark SQL, Python, HQL (Hive Query Language)
Databases	SQL, SQL Server, Oracle
Cloud	Microsoft Azure, AWS
Tools	Microsoft Visual Studio, SSMS

### Educational Qualification

Course	Year	College	Percentage
B.E. (CSE)	2010-2014	DMI Engineering College, Chennai, India	70%

### Certifications

- Undergone On-job training on SQL DBA under HCLTSS (Training division of HCL Technologies Ltd.)
- Certification on Structured Query Language 2012 Administrator (SQL DBA 2012)

Yours Truly,  
Vidhyavathi V