

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

Key Projects	<div data-bbox="347 136 659 170">Organization: NTT Data</div> <div data-bbox="347 214 1097 241">June'18 – Present: SQL Developer & DBA for NTT Data global Services</div> <div data-bbox="347 285 1019 378"><div>Client : SSIT</div><div>Role : Application Data Support Team Lead</div><div>Environment : MS SQL (2005, 2008,2014,2016,2018,2020)</div></div> <div data-bbox="347 424 763 462"><u>Core responsibilities/skills:</u></div> <div data-bbox="396 508 1563 598"><ul style="list-style-type: none">• 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.</div> <div data-bbox="347 651 829 686">Responsibilities as Data Engineer:</div> <div data-bbox="396 724 1552 1190"><ul style="list-style-type: none">• 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</div> <div data-bbox="347 1239 839 1274">Responsibilities as SQL Developer:</div> <div data-bbox="396 1320 1477 1654"><ul style="list-style-type: none">• 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</div> <div data-bbox="347 1692 753 1728">Responsibilities as SQL DBA:</div> <div data-bbox="396 1776 1542 2034"><ul style="list-style-type: none">• 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</div>
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- 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 developement
- 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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- Ensuring high availability of the database exploiting the concepts log shipping, Mirroring, Clustering, Always on
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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
- Recover databases in case of any crashes
- Ensuring high availability of the database exploiting the concepts log shipping, Mirroring, Clustering, Always on
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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	NTT Data Services
January 2018	June 2018	Sensiple Software Solutions
July 2014	January 2018	HCL Technologies

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