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Proficient Database and cloud professional with more than 14+ years of substantial experience in debugging complex distributed systems with large scale applications and executing solutions for complex business problems involving large scale data sets and real-time analytics. Critical thinker who addresses customer's issue quickly and consistently exceeds Performance Standards.

PROFESSIONAL SUMMARY:

- Rajesh is working as Technical Architect and proficient in Data Warehouse, Data Modeling, Development & Administration, certified Azure Administrator Associate having approx 14+ years of IT experience.

- Design and development of Data Ingestion, Data Processing and analytical. Pipelines Experience on Azure Data Factory, Data bricks, Synapse SQL, PySpark, KeyVault, Azure File Storage, Blob Storage.

- Experience on migrating SQL Database to **Azure Data Lake, Azure SQL Database**, Data bricks and Azure Synapse Dedicated SQL Pool and controlling & granting database access and migrating On premise Databases to Azure SQL using **Azure Data Factory (ADF).**

- **Experience in database design and development with Business Intelligence using SQL Server 2017/2019, integration service (SSIS) DTS Package, SQL Server Reporting Service(SSRS)**

- Created 100+ SSIS packages to Load OLTP data into Stage & OLAP Instances & Tuned multiple SSIS packages.

- To achieve migration & Upgrade of SSIS packages, consolidated multiple SSIS packages in single solution and used shared data source instead individual connection strings.

- **Migration & Upgrades:** Expertise in Data Migration: On premise to Cloud (Azure & AWS RDS), On-promise. Upgraded multiple databases from SQL Server 2008R2 & 2012 into SQL Server 2014, 2016 & 2019.

- Upgrades MS SQL Server 2008 & 2012 into 2014, 2016, 2019 for various clients and troubleshoot the issues during upgrades, MongoDB 3.0 into MongoDB 5.0

- **Heterogeneous Migration:** MySQL to SQL Server 2012, SQL Server 2008R2 to MySQL 5.7, Oracle 9i to SQL Server 2012, etc.

- Migration/Upgrade: On promise to Azure & AWS., SQL Server 2012 to SQL Server 2019, MySQL 5.7

- Experience in database design and development using SQL Azure, Microsoft SQL Server, Oracle 9i & MS Access.

- Installation, upgrades and configuration of new Microsoft SQL Server instances, including Always On & DAG, clustering, Replication, Mirroring & Log shipping.

- Having experience in providing cost-effective infrastructure solutions (on premises & clouds) for new project and accessing & providing suggestions to scale the existing infrastructure for existing applications/projects.

- Highly skilled at database design, installations, conversions Responsible for database backup and recovery procedures, access security and database integrity, physical data storage design and data storage management

- Possess in-depth understanding in installation, database migration, log, database creation & monitoring MS SQL Server 2019, 2017, 2016, 2014, 2012, 2008R2

- Experience on Query Optimization, Performance tuning, Index Defragmentation and use of Dynamic Management Views/Functions.

- As a database expert, having hands-on experience in Data Modeling, Database performance tuning and Query optimization, Data Integration, Data Security, Data Governance and Data Visualization and Reporting, Scalability and High Availability of database

- Check all statistics related to memory, locks, I/O, database response time, wait events, top sessions and background processes

- On-Line Transaction Processing (OLTP) to capture, validate and store large amounts of transactions

IT EMINENCE:

- **Cloud Technologies:** Microsoft Azure (Data Factory (Pipeline), Databrick, Synapse Dedicated SQL Pool, KeyValut, Azure File Storage, Blob Storage, Integration Runtime (IR), Managed Instance (MI), Virtual Machine, ADLS Gen2 & PySpark

- **Database Technologies:** MS SQL Server, Synapse SQL, MySQL, Oracle & MongoDB

- **Reporting Tool:** SSRS, Crystal report, Power-BI

- **Language:** C, C++, VB 6.0, C#.NET & VB.NET

- **On-promise ETL Tool:** SSIS & Talend

- **Version Control Tools:** SVN, VSS & GIT Hub

- **Methodology:** Waterfall & Agile

CERTIFICATIONS:

2022-10	Azure Administrator Associate
2015-10	Microsoft SQL 2012 DBA

WORK HISTORY:

2021-08 - Current

Cloud Data Engineer

HCL Tech, Bangalore

- **Data Architecture Design:** Collaborate with stakeholders, including data engineers, data scientists, and business analysts, to understand data requirements and design scalable and efficient data architectures in Snowflake. This includes conceptualizing and implementing data models,schema design, and data integration strategies.

- **Data Factory Implementation:** Configure and optimize Data Factory environments, including creating and managing databases, schemas, warehouses, roles, and security policies. Leverage Azure features,such as parallel processing, partitioning, and indexing, to enhance query performance and data storage.

- **Data Pipeline Development:** Build and maintain robust data pipelines using Data Factory and other related technologies. Design and implement data ingestion, transformation, and loading processes to ensure timely and accurate data delivery. Collaborate with data engineering teams toautomate data workflows and optimize data integration processes.

- **Performance Optimization:** Identify and resolve performance bottlenecks in Data Factory & Synapse Dedicated SQL Pool. Optimize query execution plans, analyze query performance statistics, and implement performance tuning techniques to improve overall system performance and reduce query response times.

- **Data Governance and Security:** Define and enforce data governance practices, including data access controls, data retention policies, and data lineage tracking. Implement security measures to protect sensitive data and ensure compliance with relevant data protection regulations.

  Monitoring and Troubleshooting: Monitor Data Factory & Synapse SQL Pool environments for performance, availability, and scalability. Proactively identify and resolve system issues, investigate data anomalies, and troubleshoot data-related problems. Collaborate with Snowflake support and operations teams forcritical issue resolution.

- **Documentation and Knowledge Sharing:** Create and maintain technical documentation, including data models, system configurations, and architectural diagrams. Share knowledge and best practices with team members and stakeholders, promoting the effective use of Snowflake andensuring consistent data architecture standards.

2017-04 - 2021-08   **Senior SQL Server Database Administrator**

Cignex Technologies Private Limited, Gurgaon

- Installation, configuration new Microsoft SQL Server instances and upgrade existing SQL instances, including Configuration of Always On availability and Distributed Always On groups, Replication, Mirroring & Log shipping.

- Having experience in providing cost-effective infrastructure solutions (on premises & clouds) for new project and accessing & providing suggestions to scale the existing infrastructure for existing applications/projects.

- Highly skilled at database design, installations, conversions Responsible for database backup and recovery procedures, access security and database integrity, physical data storage design and data storage & delivered multiple automation scripts

- Having good understanding of cloud-based solutions like Azure & AWS and working closely with DevOps team to on-boarding required infra-structure by calculating cost using AWS calculator.

- Tuned multiple stored procedures to improve performance of many applications.

2016-08 - 2017-04   **Database Lead**

Kuoni Global Travel Services India Pvt. Ltd., Gurgaon

- In this company, delivered database performance, maintenance and development to perform the following:

- Analyzed Estimated & Actual execution Plans to tuned performance in fast manners.

- Created, modified, and optimized SQL Server Agent jobs and maintenance plans.

- Engaged in ongoing process improvement

- Configured high availability and disaster recovery features like Always On, Log shipping, Mirroring and patching latest Hot fixes for the servers.

- Database management including backups, recovery and maintenance

- Analyzes and generation of all tables and index statistics

- Monitoring and resolving data lock issues

- Check all statistics related to memory, locks, I/O, database response time, wait events, top sessions and background processes

- On-Line Transaction Processing (OLTP) to capture, validate and store large amounts of transactions

- Create indexes to achieve critical dataset response time for time sensitive reports.

- Proactively monitor SQL Server maintenance tasks, troubleshoot failed jobs and resolve issues in a timely manner.

- Experience on Query Optimization, Performance tuning, Index Defragmentation and use of Dynamic Management Views/Functions.

- As a database expert, having hands-on experience in Data Modeling, Database performance tuning and Query optimization, Data Integration, Data Security, Data Governance and Data Visualization and Reporting, Scalability and High Availability of database.

2012-01 - 2012-08   **SQL Database Developer**

2015-08 - 2016-08   **MediaAgility Private Limited, Gurgaon**

As Developer, I had delivered the following activities:

- Database management including backups, recovery and maintenance

- Monitored and resolved data lock issues

- Checked all statistics related to memory, locks, I/O, database response time, wait events, top sessions and background processes

- On-Line Transaction Processing (OLTP) to capture, validate and store large amounts of transactions

- Created indexes to achieve critical dataset response time for time sensitive reports.

- Engaged in ongoing process improvement

- Proactively monitored SQL Server maintenance tasks troubleshoot failed jobs and resolve issues in a timely manner.

- Delivered Query Optimization, Performance tuning, Index Defragmentation, Analyzed Execution plans and use Dynamic Management Views/Functions.

- Created 50+ SSIS packages to Load OLTP data into OLAP SQL Instances.

2014-08 - 2015-06   **Database Lead**

Polaris Financial Technology Limited, (Gurgaon,India)

- Created 50+ SSIS packages to Load OLTP data into OLAP SQL Instances.

- To easy and smooth migration, consolidated multiple SSIS packages in single solution and created shared data source to access for all packages

- Tuned multiple existing SSIS packages to improve the performance.

- Database management including backups, recovery and maintenance

- Analyzed and generated tables and index statistics to Monitoring and resolving data lock issues

- Checked all statistics related to memory, locks, I/O, database response time, wait events, top sessions and background processes

- On-Line Transaction Processing (OLTP) to capture, validate and store large amounts of transactions

- Create indexes to achieve critical dataset response time for time sensitive reports.

- Proactively monitor SQL Server maintenance tasks, troubleshoot failed jobs and resolve issues in a timely manner.

- Experience on Query Optimization, Performance tuning, Index Defragmentation and use of Dynamic Management Views/Functions.

2008-11 - 2012-01   **Senior SQL Server DBA**

Etechaces Marketing and Consulting Private Limited (Gurgaon,India)

- Majorly delivered performance tuning of inline stored procedure those are used to display quotes of each products in PolicyBazaar.com

- Created multiple SSIS packages to Load OLTP data into stage as well as OLAP Instances.

- Installation and configuration new Microsoft SQL Server instances, including Always On availability groups and failover clustering, Replication, Mirroring & Log shipping.

- Delivered cost-effective infrastructure solutions (on premises & clouds) for new project to scale up the existing infrastructure for existing applications/projects.

- Highly skilled at database design, installations, conversions responsible for database backup and recovery procedures, access security and database integrity, physical data storage design and data storage

- Database management including backups, recovery and maintenance

2012-08 - 2013-04   **Sr. Software Engineer**

R Systems International (Noida, India)

- Created 20+ SSIS packages to Load OLTP data into Stag & OLAP SQL Instances.

- To tuned upgrade & migration process, consolidated multiple SSIS packages in single solution and used shared data source instead of multiple connection managers

- Tuned multiple SSIS packages to improve Data load & transformation logic process.

- Check all statistics related to memory, locks, I/O, database response time, wait events, top sessions and background processes

- On-Line Transaction Processing (OLTP) to capture, validate and store large amounts of transactions

- Created indexes to achieve critical dataset response time for time sensitive reports.

- Database management including backups, recovery and maintenance

2008-11 - 2012-01   **SQL Database Developer**

CSE INDIA, New Delhi

As Developer Cum DBA, I delivered the following activities:

- Database management including backups, recovery and maintenance

- Analyzed and generated tables and index statistics Monitoring and resolving data lock issues

- Check all statistics related to memory, locks, I/O, database response time, wait events, top sessions and background processes

- On-Line Transaction Processing (OLTP) to capture, validate and store large amounts of transactions

- Created indexes to achieve critical dataset response time for time sensitive reports.

- Experience on Query Optimization, Performance tuning, Index Defragmentation and use of Dynamic Management Views/Functions.

- As a database expert, having hands-on experience in Data Modeling, Database performance tuning and Query optimization, Data Integration, Data Security, Data Governance and Data Visualization and Reporting, Scalability and High Availability of database.

- Experience on configuration, Monitoring and troubleshooting multiple issues.

- Strong SQL server Developer skills including writing stored procedures, user defined functions, views, Triggers to facilitate efficient data manipulation and data integrity.

- Worked on the physical modeling of the database which involves creating the database objects like Tables, Views, Indexes, Triggers, Stored Procedures, and Functions etc.

- Involved in performance tuning of Stored Procedures, Data Compression, Triggers, User Defined Functions and inline SQL scripts.

- Experience in writing T-SQL scripts and Distributed Queries on linked servers for different database utilities.