AZURE and SQL SERVER DATABASE ADMINISTRATOR

Sravanthi Peddi



**Professional Summary:**

* 11+ Years of IT Experience with specialization in **Azure and SQL Server Database Administration** analyzing business needs of clients, developing effective and efficient solutions and ensuring client deliverable within committed deadlines.
* Extensive experienced on Azure services - API Management, App Insights, Azure Active Directory,
* Developer Portal, App services- Web Apps and API Apps, Azure functions, Web jobs, Azure Storage and Key Vault.
* Experienced in Microsoft Technologies to design, develop and implement web applications using Microsoft Azure cloud, ASP.NET Core, WEB API, C#, SQL Server, and Cosmos DB.
* Proficiency in working with Azure Cloud Computing platform and services. Experience in building and migrate on- premises APIs to PaaS cloud solutions with the Microsoft Azure platform.
* Having experience in working all Kinds of SQL Server Versions 2005, 2008, 2008R2, 2012,2014,2016,2019 in Prod, Dev and Non-Prod Environments.
* Hands on Experience in installing, configuring, managing, monitoring, and troubleshooting of SQL Server
* Applying SQL Server patches and hot fixes to stand alone and cluster servers.
* Hands on Experience in Database Backup, Restoration, and Recovery procedures and scheduling as per the requirement.
* Expertise in providing support to Maintain databases for application development groups.
* Hands on experience in Development and Deployment of SSIS packages.
* Designing and Deployment of Reports for the End-User requests using SSRS.
* Experience in Importing/Exporting Data from various heterogeneous data sources to SQL server using transformation of OLTP data to the Data Warehouse using SSIS.
* Created Check Points, Breakpoints wherever necessary.
* Created and scheduled all Database related jobs.
* Experience in Performance tuning and using SQL Profiler of SQL Server.
* Make sure that Shift Report is updated or communicated to coordination team on any requests you are working on or new requests to be addressed by offshore team.
* Worked on Databases with sizes up to Terabytes.
* Worked on **Database migration** project fromSQL Server 2000 / SQL Server 2005 to SQL Server 2008 and SQL Server 2014 to SQL Server 2019.In this project instead of copying the data file manually from source to destination, used the latest **Copy Database** feature after complete testing.
* Experience in configuring and scheduling the jobs and alerts, and Maintenance Plan Preparation for Performance of SQL Server
* Worked on SQL Server migration from lower version to higher version.
* Experience with global ERP systems
* Experience in working with Oracle 19c.
* Experience in DTS/SSIS administration, index, performance tuning and replication.
* Experience in working with RAID and SAN commonly used in fault tolerant production environments.
* Extensive experience in Configuration, Implementation and Maintenance for High Availability & Disaster Recovery solutions Using **AlwaysOn, Log Shipping, Database Mirroring, and Replication.**
* Performing the **Cluster** installation and adding the nodes in the respective servers in SQL Server 2000, 2005, 2008R2, 2012.
* Configuring, Maintaining and troubleshooting the **Database mirroring** and also experience in Mirroring DR activities.
* Configuring, Maintaining and troubleshooting the Database **Log Shipping** and also experience in Mirroring DR activities.
* Experience in creating linked server Objects.
* Experience in working with TDE.
* Experience in tools like Performance Monitor, Profiler, Import and Export wizard.
* Experience in usage of DBCC commands and DMV’s for troubleshooting.
* Monitoring and Troubleshooting SQL Server Performance issues
* Proficient in understanding business processes / requirements and translating them into technical requirements.
* Experienced in performing **data validations**.
* Experience in working with Microsoft Access Database.
* Have a very good knowledge on **Financial Domain**,**Health Domain**
* Excellent communication skills, oral and written combined with superb interpersonal skills.
* Providing 24x7 technical database supports for SQL Database production systems.

**TECHNICAL SKILLS**

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| --- | --- |
| **Databases:** | SQL Server 2019/2017/2016/2014/2012/2008, My SQL workbench 8.0 |
| **Operating System:** | Windows Server 2016/2012/2008R2/2003R2, VMware |
| **Languages:** | SQL/T-SQL/XML/HTML |
| **ETL Tools:** | SSDT/BIDS, SSIS, Import/Export Wizard, Bulk Insert |
| **Reporting:** | SQL Server Reporting Services, Report Builder |
| **Data Modeling:** | SSDD (SQL Server Database Diagram) |
| **Upgrade/Migrate:** | SQL to SQL, MySQL to SQL. |
| **Third Party Tools:** | ITSM,Red Gate SQL Backup, Erwin, ServiceNow, Remedy, Trekker |
| **Native tools:** | Azure Cloud Services: API Management, App Insights, Azure Active Directory, Developer Portal, App services- Web Apps and API Apps, Azure functions, Web jobs, Azure Storage and Key Vault, Cosmos DB,Cloud Security, Blob Storage, DevOps CICD, Kubernetes.SSMS, Performance Monitor, Query Analyzer, Extended Events, SQL Server Profiler, Database Tuning Advisor, Execution Plan, Activity Monitor, Resource Monitor, Job Activity Monitor, DMVs & DMFs, DBCC, and SSCM, Data Migration Assistant (DMA), Data Migration Services (DMS), |
| **Hardware/Storage:** | SAN, NAS, RAID, IBM Storage, iSCSI |
| **Networking:** | TCP/IP, DNS, WAN, LAN, SFTP, FTP, Active Directory |
| **Other Tools:** | Team Foundation Service (TFS), SharePoint. |

**Professional Experience:**

**West Virginia Department of Health and Human Resources**

**May 2021- Present**

**Database Administrator**

**Responsibilities**:

* Create, configure, and deploy APIs in API Management, ASE App services Web Apps, API Apps and AKS Clusters based on business use case.
* Develop reusable components for the enterprise applications to consume like Security, transformation policies, automate APIs onboarding.
* Developing .Net Core solution integrated with RESTful, SOAP Web API and various cloud services.
* Configured Application insights for APIs and diagnostics logs, analytics using– configure alerts, and custom monitoring logs.
* Worked on Azure App Services – Web APIs and API apps, configure Diagnostics Monitoring and Analytics.
* Experienced in implementing security using Azure Active directory for App registrations and custom roles.
* Worked on security architecture to ensure data security at rest and in transit application security key management identity management authentication and authorization with OAuth2.0, OIDC and AzureKey Vaults.
* Using Postman for API integration testing for different environment.
* Responsible for evaluating failover scenarios, planning, and automating APIs backup, restoration, and Disaster recovery procedures of Azure Resources.
* Maintaining all cloud application APIs for the optimal configuration and reducing the production downtime.
* Responsible to evaluate and improve performance of the Azure Platform APIM product and availability of the applications.
* Worked with development team to ensure effectiveness of establish coding standards for Azure .Net Core Web APIs.
* Working with IT Managers to establish estimates and tasks for development efforts and responsible to ensure quality and timely delivery.
* Performed DB management tasks including troubleshooting, performance tuning, database monitoring and backup & recovery. Initiate corrective action to ensure all database servers meet processing requirements for performance and reliability.
* Implemented and maintained security and integrity controls including backup and disaster recovery strategies for document management system and SQL Server databases.
* Created alerts and notifications, operator, Database mail configuration for system errors, insufficient resources, and fatal database errors.
* Configured and Managed High Availability and Disaster recovery Solutions Always On, Replication, Clustering on Critical Production Servers.
* Experienced in using DBCC commands to manage database consistency and to repair databases. Used DMVs and DMFs to monitor the health of server instances, diagnose problems and tune performance.
* Scheduled automated jobs for different database related activities including backup, monitoring database health, disk space, backup verification, cleaning history, deleting old files, indexes, and fragmentation managements.
* Development of packages as per the ETL specifications for the staging area and data loading using SSIS
* Created Reports according to user requirements and deployed them using SSRS.
* Monitored and tuned databases to meet performance and availability requirements, server activity, space usage, database health, backup verification, cleaning history and solve problems as needed.
* Monitor long running queries/ Error Logs /Schedule Tasks/database activity/eliminate Blocking and Deadlocks user counts and connections/locks etc.
* Administered Databases on Production Servers with server configuration, Performance Tuning, and maintenance, Perform DB patching, Cloning, troubleshoot issues/errors/incidents,
* Identified performance bottlenecks and troubleshooted to improve database performance. Enforced Database related security policies and managed security to restrict excessive privileges in production servers.
* Created SQL Server Integration Services (SSIS) Packages for import of data bases on requirements.
* Providing required security access based on the business justification and valid leadership approvals.
* Created regular Database backup jobs and other maintenance tasks using scripts and SQL native maintenance plans to meet the project compliance standards.
* Fixing issues related to various SQL jobs and Backups based on the automated alerts.
* Worked on Deploying and scheduling the SSRS Reports.
* Worked on Applying SQL Server patches and hot fixes to stand alone and cluster servers.

**Environment:** MS-SQL Server 2008 / 2012 / 2014/2016/2019, SSIS, SSRS, MYSQL 5.5, SQL Enterprise manager, TL SQL, SQL Profiler, Windows 2008/2012/2016

### Briggs & Stratton -

### Sept 2017 – Apr 2021

**SQL Database Administrator**

**Description**:

Briggs & Stratton is a Fortune 1000 manufacturer of gasoline engines with headquarters in Wauwatosa, Wisconsin. Briggs & Stratton is the world’s largest producer of gasoline engines for outdoor power equipment, and is a leading designer, manufacturer and marketer of power generation, pressure washers, lawn and garden, turf care and job site products through its Briggs & Stratton. Briggs & Stratton products are designed, manufactured, marketed, and serviced in over 100 countries on six continents.

### Responsibilities:

* Help improve performance of queries by analysing the execution plans, monitoring resource utilization and Database engine tuning tool to identify indexes/statistics that can help in performance tuning.
* Configure Log Shipping, Replication, Mirroring and Always ON feature.
* Plan and implement Disaster Recovery strategies with effective Backup and Recovery policies, setting up replication, documenting the recovery process and a tested plan to recover the databases and users as quickly as possible.
* Document Backup and recovery procedures.
* Monitoring day to day the performance of the DB running in the production as well as in the non-production servers.
* Implement and maintain database security as per business rules and requirements.
* Updating Service packs and Security patches for the Servers.
* Configuring and monitoring the Log Shipping.

**Environment:** MS-SQL Server 2005 / 2008 / 2012 / 2014/2016, SSIS, SSRS, MYSQL 5.5, SQL Enterprise manager, TL SQL, SQL Profiler, Windows 2008

**COVERYS**

**Dec 2016–Sept -2017**

**SQL Server Database Administrator**

**Description**:

Covery’s is an innovative medical professional liability insurance and services provider dedicated to helping its policyholders and clients anticipate, identify and manage risk to reduce errors, eliminate inefficiency and improve outcomes. Medical professional liability insurance is essentially a form of insurance that medical professionals (doctors, nurses, dentists, therapists, etc) can buy to protect themselves from the financial liabilities that can result from wrongful practices. In other words, if a doctor performs a treatment on a patient that results in injury or death, the doctor could face a lawsuit from the patient (or their family).

### Responsibilities:

* Routine checks of log and trace files to trace database activities and scheduling activities.
* Creating and scheduling all DB related jobs.
* Validating and creating user accounts
* Plan and implement Disaster Recovery strategies with effective Backup and Recovery policies, setting up replication, documenting the recovery process and a tested plan to recover the databases and users as quickly as possible.
* Document Backup and recovery procedures.
* Monitoring day to day the performance of the DB running in the production as well as in the non-production servers.
* Deployed database objects from development/testing environment to production environment.
* Implemented Transactional Replication.
* Involved in implementing enterprise data warehouse solution.
* Configured Log Shipping and made secondary instance available for reporting during business hours and applied the transaction logs during night.

**Environment:** MS-SQL Server 2005 / 2008 / 2012 / 2014/2016, SSIS, SSRS, MYSQL 5.5, SQL Enterprise manager, TL SQL, SQL Profiler, Windows 2003

**WMATA (Washington Metropolitan Area Transit Authority)**

### June 2011 – Dec 2016

SQL Database Administrator

Using contactless (“Smartcard”) technology, PRESTO allows customers to ride on any participating transit system without pre-purchasing tickets or having to search for the correct change. The PRESTO card, which is the size of a debit card, will use “stored-value” in the form of a common electronic purse (e-Purse) or period pass for all fare payment transactions. Customers can tap their PRESTO card as they board a bus or enter a station and the system deducts the fare from their card balance, all within one-eighth of a second.

### Responsibilities:

* Incident management: Analyzing/resolving the incidents reported in the Presto production environment and track them to closure with in SLA’s.
* Problem management: Investigate on the issues found in the production system and create problem tickets as required and prioritize them accordingly with the development team.
* Performing day to day Database administration activities on production servers **like backup checks, space usage.**
* Routine checks of log and trace files to trace database activities and scheduling activities.
* Creating and **scheduling all DB related jobs**
* Validating and creating user accounts
* Duties also included database creation, backup/recovery, general troubleshooting, script development and documentation.
* Coordinating with vendors for DB and cluster support.
* Maintaining strong partnerships and working relationships with dependent internal IT groups (Infrastructure, Database Operations, Networking, Server Support, Systems Engineering, etc.) as required.
* Preparation of documentation and procedures required for reference.
* Migration from SQL 2000 / SQL 2005 to SQL 2008
* Providing backup assistance and support to the System admin and Web Admin.
* Working independently on any DB issues.
* Administrated the SQL Server 2008/2005 servers and production, pre-production, non-production databases, Application support and Performance Analysis/tuning.
* Installation of service packs of SQL Server 2008/05 on Windows Server Clustered environment.
* Responsible for database backups, restore and Disaster Recovery.
* Involved in trouble shooting and fine-tuning of databases for its performance and concurrency.
* Responsible for monitoring Jobs, SQL auditing, Disk spaces, error logs and making recommendations for performance improvement in hosted databases which involved file group modifications, and scheduling jobs to rebuild/reorg indexes and update statistics.
* Monitoring the health of the databases and performed Update stats on tables at regular intervals.
* Monitored and modified Performance using execution plans and Index tuning.
* Monitoring SQL server performance using profiler to find performance and dead locks.
* Handled up to 2 TB Size databases with Clustered and Log shipping environment.
* Using log shipping for synchronization of databases.
* Programmed in T-SQL to implement Stored Procedures and complex queries for different tasks as per the business requirements.

**Environment**: MS-SQL Server 2000 / 2005 / 2008, SQL Enterprise manager, PL SQL, SQL Profiler, Windows 2003,2005

**EDUCATIONAL QUALIFICATIONS:**

* Bachelor’s in engineering

**Certifications**

* MCTS: SQL Server 2008, Implementation and Maintenance (70-432)
* MCITP: Microsoft SQL Server 2008, Database (70-433)