**Venubabu Polineni** [naveen@aibcsolutions.com](mailto:naveen@aibcsolutions.com) 703-310-6472

* An experienced IT Professional with **13+** years of exp as MS-SQL DB Admin & working experience on Cloud platforms on Azure & GCP (IaaS) & with hands-on experience on multiple databases MS-Access, DB2 and PostgreSQL.
* Having Good Experience on MS SQL Migration from Version to Version (Side by Side and In-Place)
* Experience in Database Administration, Database Design, Modeling, Development, and Migration to latest versions & Support of MSSQL.
* Daily handling largest databases size 2TBand around 21500 + SQL servers including Prod, Dev and test with different versions.
* Involved in many critical and sensitive issues and resolved within SLA’s (P1, P2, P3& P4)
* Extensive expertise in configuring High Availability & Disaster Recovery Solutions like Always On, Clustering, Mirroring and Transactional Replication.
* Implementing Backup & Recovery solutions for SQL Server databases.
* Understanding the Database security Vulnerabilities & making a plan to remediate them to meet as per the organization’s security standards.
* Implemented Automatic password management of SQL service accounts using Cyber Ark tool.
* Hands-on experience on Migration from MS-Access Database to MSSQL server 2016 and 2019 database. Experience in setting up, troubleshooting and maintenance of production server databases.
* Responsible for monitoring and making recommendations for performance improvement in hosted databases.
* Experience in tools like SQL Profiler and Windows Performance Monitor for monitoring and tuning MS SQL Server performance.
* Effective usage of DMV’s & DBCC commands ensuring integrity of the databases & to troubleshoot the issues.
* Monitoring of applications & infrastructure using Elastic stack, SQL trace files, Event logs and using SQL Sentry One monitoring tool.
* Effectively manage the disk space using capacity planning reports.
* Expertise in Recovery of DB system components to meet or exceed the Recovery Time (RTO) / Recovery Point (RPO) Objectives specified in the SLA’s.
* Experience in optimizing the query by creating various clustered, non-clustered indexes and indexed views.
* Performed Database Migration from On-Premises SQL environment to Azure Database in cloud.
* Migrated VMs, SOL Databases from On-Prem to AZURE.
* 24 x 7 Production Database on Call Support.

**Cloud Experience:**

**AZURE (IaaS):**

* Creating Azure Virtual Machines in Windows/RHEL/Ubuntu/CentOS (with Regions, Availability Zones & Sets)
* Creating Blob Storage for storing files, SQL Server Backups and VHDX images.
* Experience in setting up Networking (VNet, Subnets, Peering b/w Vnet - Vnet, VPNs, Private-Public IPs, and Gateways & Express Route).
* Managing Firewall (NSG) rules to VMs and following security norms of Organization.
* Implemented Log Analytics Monitoring in VM’s to collect the metrics of VM’s health & using Elastic Stack.

**GCP (IaaS):**

* Creating Compute Engine VM Instances in RHEL/Ubuntu/Debian/Windows.
* Setting up Virtual Private Cloud Networks & subnets and configuring Firewall rules on VPC networks.
* Creating projects, adding user accounts & granting roles using Cloud IAM.
* Configuring Autoscaling & Internal / External Load Balancer.
* Containerization of applications using Docker & Kubernetes clusters.
* Having Knowledge Ansible, Terraform, Jenkins.

**Education Qualification:**

* Master of Computer Applications in the year of 2008 from Anna University Chennai, Tamil Nadu state, INDIA

**Technical Skills:**

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| --- | --- |
| **Domain Experience** | Retail, Health Insurance, Oil and Gas |
| **Technical** | Primary Skills -MSSQL Server 2005,2008,2008R,2012,2014,2016, 2017 & 2019, Azure SQL (IaaS & Pass), AWS (IaaS).  Additional Skills: PostgreSQL, MS-Access, Azure SQL, Db2 and AWS Cloud. |
| **RDBMS** | MSSQLSERVER 2000/2005/2008/2012/2014/2016/2017 & 2019  Analysis Sever 2000/2005/2008/2012/2014/2016/2017  MS Access 2000/2005/2008/2012/2014/2016& PostgreSQL 12,13 |
| **Databases Tools:** | SQL Server Management Studio, SQL Server Business Intelligence Development Studio (BIDS), Database Engine Tuning Advisor, Enterprise Manager, Query Analyzer, SQL Profiler, Data Transformation Services, Upgrade Wizard, Replication, DTS Change, MSSQL, SSRS, SSIS & SSAS.  Azure SQL (IaaS & Pass), MS-Access databases Migration& AWS Cloud Services |
| **Programming Languages** | SQL, TSQL Scripting, XML, PL/SQL & PowerShell |
| **Operating Systems:** | Windows-95/98/2000/2003/2008/XP/windows10, windows11, MS-DOS, Unix/Linux |
| **Utility Tools:** | MS Office, MS Project, Spotlight monitoring tool, Robocopy, Heartbeat, Idera Netwrix auditing tool. |
| **High Availabilities** | Replication, Log shipping, Mirroring, Clustering (failover cluster), Always-on availability groups (AG) |

Project #1

**WORK EXPERIENCE:**

**Project 1:**

**Client: Woodside Mar 2023 to Till Date**

**Location: Houston, TX**

**Responsibilities:**

* Sr. Database Administrator
* We support MSSQL Databases (2012,2014,2016,2016 & 2019) and for HANA applications.
* Having hands-on experience on SOX auditing controls like access provisioning and de-provisioning /security.
* Maintaining over 7000+ SQL servers with sizing DB up to 1 TB.
* Meet the SLA (Service Level Agreement) established.
* Continuously monitoring and updating the BACKUP & RECOVERY strategy.
* Testing the backups on regular basis.
* Configuring memory on SQL server as per standards.
* Hands on experience in installing, configuring, managing, monitoring and troubleshooting Microsoft SQL Server standalone, SQL Failover cluster & Always On Availability Group.
* Configuring Azure Site Recovery for DR and Azure back-up on-premises/Azure Environment. Lead design, architecture, and deploy of solutions in Azure platform
* Migrate SQL Server Databases to Microsoft Azure hosted DBs, Managed instances. Configured High
* Good experience in applying the service packs and in standalone in cluster servers.
* Daily checking and resolving the tickets depends on the priority levels.
* Responsible for performing Database Maintenance activities like rebuilding/reorganizing indexes update
* Regularly monitor and identify blocking issues. We can design a procedure that continuously run on all PROD servers and notifies DBA team if any blockings, long running quires/transactions.

**Project 2:**



**Client: ExxonMobil April 2019 to March 2023**

**Location: Houston, TX**

**Roles:** Sr. Database Administrator

**Description:** we support multiple clients under one roof. We support MSSQL Databases (2012,2014,2016,2016 & 2019) with complex size of 2TB and having 21500 SQL servers where we are involved in day-to-day operations to run routine operations with maximum uptime. Here we maintain the existing environment as well as build a new high-end environment for up-gradation, migration of environment. We are responsible to plan out step by step implementation with minimum downtime, as well as continuous minimal or un-impacted routine operations. We are involved in architectural design for environment, estimations, and software as well as hardware requirements. We do have maintain High availabilities to reduce the business down (Log shipping, Mirroring, Replication, Clustering & Always-on).

**Responsibilities:**

* Availability Solution; Always-On, Log Shipping, migration, patching, troubleshooting, optimization, maintenance (modelling, High-Availability (HA) and Disaster Recovery (DR)).
* Manage database security and users in Active Directory, ensure Database Integrity and setup maintenance plans via SQL Agent, Stored Procedures,
* Responsible for all backup, recovery, and upgrading of MSSQL databases.
* Monitoring databases to optimize database performance and diagnosing any issues.
* Ability to proactively identify, troubleshoot and resolve live database systems issues
* ﻿Knowledge of disaster recovery principles and practices, including planning, testing and backup/restore
* ﻿Hands-on experience on database administration, backup recovery and troubleshooting in co-location environments
* ﻿Ability to thrive in a fast-paced, deadline-sensitive environment
* ﻿﻿Work with development and operations teams to tune production queries for optimal performance
* Good understanding of SQL Server architecture and database design and SQL Migration (Side by side and In-Place)
* Hands on experience in installing, configuring, managing, monitoring and troubleshooting Microsoft SQL Server standalone, SQL Failover cluster & Always On Availability Group.
* Hands on experience in Applying Service Packs and Security patches on standalone and Migration
* SQL server Installation and Silent installation (Configuration.ini)
* Having experience on SQL and Windows Cluster environment
* Hands on Experience in Migration from SQL Server 2008 to SQL Server 2012/2014, 2016 & 2019.
* Hands on Experience in Configuring Reporting service (SSRS) and managing permissions to the Report URL.
* Hands on Experience in implementing and troubleshooting capabilities to resolve issues while configuring Always On and related issues. ( Syn or non-sync )
* Managing SSIS services and deploying the SSIS packages
* Administering SQL Server High Availability and disaster Recovery strategies.
* Hands on Experience in Performance Tuning, Query Optimization and Database Consistency Checks using DBCC Utilities and DMVs.
* Hands on Experience in Managing Rebuild\Reorganize indexes based on the situation.
* Hands on Experience in Performance Troubleshooting long running queries & Connectivity issues.
* Experience on Managing permissions, creating contained user, backup/restore, deployment activities
* Daily activities include monitoring the database, checking error logs, checking the log file size and free space in the data drives, connectivity of the databases.
* Respond to incident/problem/request tickets assigned to our team and fix any database issues promptly.
* Experience on3rd Party backup tools like SQL Backtrack, TSM and Commvault & Veritas.
* Having good experience on SQL database Designing, Migration, SSIS, SSRS, Performance tuning, Storage capacity planning, Auditing tools such as Idera, Netwrix & Spotlight, Backup and restorations, Disaster recovery
* Experience on ticketing tool Service now and ITSM.
* For few modules/applications, we do involve on Azure Cloud with strong experience in migrating resources to Azure, Azure Administration, Azure Infrastructure Operations, and end to end Project Management. Produced high-standard database solutions to meet stability, reliability.
* Configuring Azure Site Recovery for DR and Azure back-up on-premises/Azure Environment. Lead design, architecture, and deploy of solutions in Azure platform
* Migrate SQL Server Databases to Microsoft Azure hosted DBs, Managed instances. Configured High
* Availability Solution; Always-On, Log Shipping, migration, patching, troubleshooting, optimization, maintenance (modelling, High-Availability (HA) and Disaster Recovery (DR)).
* Performed Database Migration from On-Premises SQL environment to Azure Database in cloud.
* Migrated VMs, SOL Databases from On-Prem to AZURE.
* Managing IaaS and PaaS environments with different purchasing models (Vcore and DTU based)

**Project 3:**

**Client: Alight Mar 2017 to Mar 2019**

**Role: Sr Database administrator**

**Responsibilities:**

* Having Experience in SQL database Migration
* Expertise in Installation, Configuration, SQL database Migration and Administration for SQL Server.
* Expertise in Database Backup, Restore and Recovery procedures
* Maintaining over 7000+ SQL servers with sizing DB up to 1 TB.
* Meet the SLA (Service Level Agreement) established.
* Continuously monitoring and updating the BACKUP & RECOVERY strategy.
* Testing the backups on regular basis.
* Importing & exporting the data from Text (Microsoft Excel) to SQL Server, using SQL Server Import and Export Wizard.
* Implementation of security by creating logins, users and user groups and assigning permissions to them as a part of security policies for users in internal technical team.
* Set up Database Maintenance Plan using SSMS to update the statistics regularly.
* Restored database in case of failure or whenever required by applying full database backup, differential and transactional log backup.
* Performance Monitoring using Query Profiler, DTA Tool.
* Supporting Different versions of SQL Server like 2008 ,2008R2, 2012 ,2014
* Configuring and maintaining Database Backups and other maintenance activities.
* Good experience in installing and configuring the SQL Server 2005 2008 2008R2, 2012 and 2014.
* Good experience in applying the service packs and in standalone in cluster servers.
* Daily checking and resolving the tickets depends on the priority levels.
* Responsible for performing Database Maintenance activities like rebuilding/reorganizing indexes update
* Statistics, checking database integrity and clean up history on regular intervals.
* Daily monitoring the Database Space Management parameters, allocating the required space to databases and suitably managing database growth.
* Recovering the Backups of SQL Server production databases in test servers as part of regular maintenance activities
* Performed various Databases up gradations and server migrations (Side by side & In-place)
* Able to perform the Failover and Failback activities in Cluster environment.
* Resolving Tickets which include creating and maintaining databases, monitoring Disk Space, database integrity, identifying missing Indexes, handling blocking
* Monitoring of server and database performance.
* Scheduling Database tasks like Jobs, Alerts, Emails, and Notifications
* Good knowledge in implementation of High Availability and Disaster Recovery solutions (HA-DR), including Replication, Database Mirroring, Log Shipping & Always on
* Experience in Development of automated daily, weekly and monthly system maintenance tasks such as database Full/Differential/Transactional log backups.

**Project 4:**



**Client: Sears Holdings Nov 2013 to Mar 2017**

**Role: Database administrator**

**Responsibilities**

* Check the escalated issues first
* Check the current queue for requests and identify requests to be processed and work on the issue.
* We usually process the requests based on the SL
* Setup and maintain Replication for Production servers to provide high availability and monitor using Replication Monitor.
* ﻿﻿Setup Alerts, Notifications, Jobs, Job steps with automated response solution schedules.
* Responsible for all the servers which are running in SQL platform (SQL Server 2005/ 2008/2012/2014)
* ﻿﻿Setup multiple Nodes (Active/ Passive) in SQL Servers to add clustering feature
* ﻿﻿Manage SQL Server databases and Configure failover cluster.
* ﻿﻿Plan and modify SQL Server Permissions in quarterly basis.
* ﻿﻿Create databases and schedule backups (Transaction log backup, Differential backup and Full back up) with Recovery sessions (Simple or Full).
* ﻿﻿Setup and maintain Replication for Production servers to provide high availability and monitor using Replication Monitor.
* Created a Linked Server to Oracle11g from SQL Server.
* ﻿﻿Created Active Directory with Security group with Table level permissions.
* Check the fragmentation and rebuild/ reorganize the indexes. We can use a native procedure which takes care of the task.
* Security Logs – Review the security logs from a third-party solution or from the SQL Server Error Logs to determine if you had a breach or a violation in one of your policies

**Project 5:**

**Client: Target retail May 2013 to Nov 2013**

**Role: Database Technical Analyst**

**Responsibilities:**

* Maintaining the availability of database by minimizing the down time
* Provide high security in accessing the databases externally
* Need to monitor the performance of server, implement various techniques to increases the performance
* Work on user requirements and problems which comes in the form of tickets.
* Responding to alerts which we receive in the form of email from third party monitoring tools.
* We Make sure all the maintenance jobs are running successfully.
* We Make sure all backup jobs executed successfully without any issues an all servers.
* Find out the newly added databases and define the backup plan
* Check for the job execution duration and if any significant changes find the root cause and resolve the issue.
* Regularly monitor and identify blocking issues. We can design a procedure that continuously run on all PROD servers and notifies DBA team if any blockings, long running quires/transactions.
* Good hands-on experience on SQL installation, Patching’s, Migration, performance tuning etc.

**Project 6:**



**Client: Sears Holdings June 2011 to May 2013**

**Role: Database administrator**

**Responsibilities:**

* Monitored the escalated issues first
* Check the current queue for requests and identify requests to be processed and work on the issue.
* We usually process the requests based on the SL
* Setup and maintain Replication for Production servers to provide high availability and monitor using Replication Monitor.
* ﻿﻿Setup Alerts, Notifications, Jobs, Job steps with automated response solution schedules.
* Responsible for all the servers which are running in SQL platform (SQL Server 2005/ 2008/2012/2014)
* ﻿﻿Manage SQL Server databases and Configure failover cluster.
* ﻿﻿Plan and modify SQL Server Permissions in quarterly basis.
* ﻿﻿Create databases and schedule backups (Transaction log backup, Differential backup and Full back up) with Recovery sessions (Simple or Full).
* ﻿﻿Setup and maintain Replication for Production servers to provide high availability and monitor using Replication Monitor.
* Created a Linked Server to Oracle11g from SQL Server.
* ﻿﻿Created Active Directory with Security group with Table level permissions.
* Check the fragmentation and rebuild/ reorganize the indexes. We can use a native procedure which takes care of the task.
* Security Logs – Review the security logs from a third-party solution or from the SQL Server Error Logs to determine if you had a breach or a violation in one of your policies
* Backup Verification (Comprehensive)- Verify your backups and test on a regular basis to ensure the overall process works as expected. Contact your off site tape vendor and validate the type does not have any restore errors
* Check the logins, service accounts for expire dates
* Moving data from production to archive: If your environment requires any specific DBA related data for a long time, plan for an archival procedure. We can achieve data from actual OLTP system to another dedicated DBA Server / Database
* We need to work with the other teams to make sure that all servers are at health condition and to balance the infrastructure.
* Usually, we approach other teams for below (CR/IR/SR – Change Request/ Incident / Service).

**Project 7:**

**Client: Reliance life health insurance Jan 2010 to June 2011**

**Role: Database Admin and system engineer**

**Responsibilities:**

* Responsible for 24×7 critical production support for 150 servers out of which 90 are production servers, remaining test and development servers.
* Expertise in Installation, Configuration and Administration for SQL Server.
* Expertise in Database Backup, Restore and Recovery procedures
* Check SQL job alerts and tickets, Check for error log Disk space issues and Tempdb and Log file issues and Interaction with customers and End user Training
* Checking which application is using most log space
* Checking which application is using most CPU usage
* Find invalid indexes and rebuild manually
* Data purging depends on period of retention & Check for session and lock waits issues
* Check for SQL alerts &amp; Solving User quires
* Maintaining over 2000+ servers sizing DB up to 500 GB.
* Meet the SLA (Service Level Agreement) established.
* Continuously monitoring and updating the BACKUP & RECOVERY strategy.
* Testing the backups on regular basis.
* Importing & exporting the data from Text (Microsoft Excel) to SQL Server, using SQL Server Import and Export Wizard.
* Implementation of security by creating logins, users and user groups and assigning permissions to them as a part of security policies for users in internal technical team.
* Set up Database Maintenance Plan using SSMS to update the statistics regularly.
* Executing scripts in production environment.
* Good knowledge in implementation of High Availability and Disaster Recovery solutions (HA-DR), including Replication, Database Mirroring, Log Shipping & Always on
* Check for the job execution duration and if any significant changes find the root cause and resolve the issue
* Monitor all backup and log history is cleaning if it is designed.
* Find out the newly added databases and define the backup plan

**Database administrator Key Responsibilities**

* Software Installation and Maintenance
* Managing Data Integrity
* Database security
* Database Accessibility
* Capacity Management
* High Availability Management
* Backup and Recovery Management
* Performance Tuning
* Process Improvements
* Daily, Weekly and Monthly maintenance
* Installations / Upgrades / Patching
* Health Checks / Report Analysis
* Provides smooth Support to Users
* Troubleshooting issues
* Teamwork, and negotiation skills
* The ability to establish and maintain positive working relationships with coworkers and customers

**Documentation:**

* Document all changes you make to the environment that includes:
* Installations / Upgrades
* Service packs / Hot fixes applied
* New databases added
* Logins \ Roles added / removed
* Check lists
* Infrastructure changes
* Process improvements
* Maintain a centralized inventory with all details for below items
* Database Servers
* Application Servers
* Logins (Both SQL Server and Windows)
* Database Instances
* Databases (Dev / Stag / QA / PROD)

**Auditing Experience:**

As per Organization requirement, I used to collect all controls evidence.

* External Audit
* Internal Audit
* Security Audit
* Database level Audit
* Server Level Audit
* Backup and restoration