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Description automatically generatedSQL Server Database Administrator**

**Krishna Gudiseva**

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**Professional Summary:**

## Having 12+ years of work experience in Database Administration/Development which includes SQL Server 2019,2014,2012, 2008 R2, 2008 and 2005. in production and development environments.

## Skilled problem identifier and troubleshooter comfortable managing systems, projects and teams in a range of IT environments.

## Strong process knowledge in service management with ITIL certification.

## Strong technical background along with the ability to perform business analysis and write effective documentation and specifications.

## Expertise in Database Administration on Production Servers with server configuration, performance tuning and maintenance with outstanding troubleshooting capabilities.

## Experienced in Database Backup, Restore, Recovery and Disaster Recovery procedures and implementing a perfect backup strategy for the organization.

## Expertise in SQL Server upgradations, Migration, Capacity planning and Patching activities.

## Expertise in datacenter migration projects from on-premises to Azure and AWS Cloud platforms.

## Administering SQL Server High Availability and Disaster Recovery strategies.

## Proficiency and expertise in SQL Server Replication, Always On, SRDF, Clustering, Log shipping, Database Mirroring & Disaster recovery and planning.

## Expertise in T-SQL writing stored procedures, triggers, and functions.

## Working experience on PowerShell and python programming.

## Expert in data transformation services and Bulk Loads with SSIS and BULK INSERT ETL operations.

## Implemented the new SQL Server mechanisms like data compression, online indexing, Contained Databases, security principals and AAG.

## Worked on logical and physical data base modeling

## Working knowledge in Reporting Services (SSRS) and Integration Service SSIS

* Working knowledge on Looker for BI and Analytics. Working with Looker for database to dashboards representation for data analysis.

## Working experience in AWS EC2 instance configuration, EBS volume management, S3 config and life cycle management, SNS, Athena IAM and Roles, Boto3 python package and AWS PowerShell.

## Working knowledge on PostgreSQL administration (On AWS Aurora PostgreSQL)

## Working experience in Azure SQL Configurations, IAAS and PAAS

## Maintaining code and Data with compliances for SOX, HIPAA and GLBA, vulnerability management, PCI best practices and SOX Audit for SQL servers, TDE, Always Encrypt, Install SSL certificate etc.

## Strong experience in mentoring team members

**Certifications:**

* MS Certified IT Professional (MCITP-Database Administrator070-462) – SQL Server 2012
* MS Certified Azure Database Administrator Associate 582-6642
* ITIL V3 Foundation

**Education Qualifications:**

* MBA (Systems) from JNTU Hyderabad, India -2009
* Bachelor of Computer Science from Andhra University Visakhapatnam, India - 2004

**IT Skills:**

|  |  |  |
| --- | --- | --- |
| Project ManagementWorkflow PlanningSprint planning and ScrumProductivity Improvement | Technical SupportSystems Installation, Configuration & UpgradingAWS cloud ExperienceAzure cloud Experience | Database Design & Management  * Business Intelligence  Patches & UpdatesTraining & MentoringSecurity Solutions |

**Technical Skills:**

|  |  |
| --- | --- |
| **Operating Systems** | Windows SERVER 2003, 2008, 2008 R2,2012, 2016, 2019 |
| **Databases** | MS SQL Server 2005, 2008, 2008R2, 2012, 2014, 2016, 2017,2019, PostgreSQL, Aurora-PostgreSQL |
| **SQL Server Tools:** | SSMS, SSCM, SQL Profiler and DTA |
| **Business Intelligence Tools** | SSIS and SSRS, Looker |
| **Tools** | Fog light, SolarWinds Ignite, SQL Safe, SQL Diagnostic Manager, DPA, SAM, Cloud Watch, Cloud Endure, ServiceNow, ServiceDesk, JIRA, SCOM, SCM, Run deck and Grafana |
| **Languages/Scripting** | PowerShell, Python, TSQL and PL/PGSQL |
| **Cloud** | AWS (EC2 & RDS) & Azure (SQL Database, Managed Instance &Azure VM) |

**Work Experience:**

***Company/Employer: Tubman Technologies***

***Client: SMUD, Sacramento, CA (CCA-Technology Operations)***

***Database Administrator - lead Jun’23 to till date***

Community Choice Aggregation (CCA), is an alternative to the investor-owned utility energy supply system in which local entities in the United States aggregate the buying power of individual customers within a defined jurisdiction in order to secure alternative energy supply contracts. The main goals of CCAs have been to either lower costs for consumers or to allow consumers greater control of their Energy mix, mainly by offering "greener" generation portfolios than local utilities.

SMUD provide Information Technology and Support services to 3 CCAs (EBCE/VCEA/MEA). The major services provided are Billing Service, CRM Services and SQMD services.

**Roles and Responsibilities:**

* Provided DBA support for servers including production, development & QA servers.
* Extensively involved and interacted with application team in Upgrading 2014,2016,2019 versions.
* Identified, tested, and resolved database performance issues to ensure query optimization.
* Installing and Configuring SQL Server2019/ 2016/2014/2012/2008 R2.
* Configuring / maintaining high availability SQL Server solutions that include Always On, Mirroring, Replication
* Maintaining Microsoft SQL Server Databases health and performance always on top
* Managing Security and integrity of Databases.
* Taking care of backups and Disaster recovery solutions
* Working on Performance tuning and query tuning
* Performing Billing Operations (Usage to Billing)
* Resolving various kind of Billing exceptions at database side
* Ingestion and Reporting of Share My Data (SMD)
* Generation of SQMD reports for submission to CAL-ISO
* Development of Various Reports using SSIS integrations
* Development and maintenance of SSRS reports for Operational dashboards
* Daily operational Task Automations using Powershell/TSQL
* Enhancements – development, peer testing and deployments
* Maintenance of Code Library in bit bucket for Database and utilities
* Planning and implementation as per the priority and tracking projects using JIRA

**Environment:** MS SQL Server 2019,2016, 2017, 2014, Azure, AWS, Powershell, Python, SSIS, SSRS, SSAS, GIT, Microsoft Excel.

***Company/Employer: Wipro Ltd***

***Client: HSBC ((Global Banking & Marketing))***

***Database Administrator – lead consultant Sept’20 to Jun’23***

HSBC Global Banking and Markets exists to help clients make the most of these opportunities. GBM take the time to gain a deep understanding of our clients' financial requirements and business goals in order to deliver a seamless service through a global network of relationship managers and product specialists. GBM offers a full range of banking capabilities to support our clients' needs, including Banking and financing solutions, including corporate banking, capital markets, and leveraged acquisition finance. Services in credit and rates, foreign exchange, equities and money markets. Global transaction banking services, including trade services private investors worldwide.24-hour coverage and knowledge of local and international markets.

**Roles and Responsibilities:**

* Managing 200+ DB servers, and 500 + Very large databases including AWS EC2 instances
* Writing solutions in PowerShell and Python for various service automations like DB
* Refresh, DB level alerting, Perfmon counters collection, Extended events collection, AWS Volume management, EC2 instance creation, S3 uploads.
* Performing new instance installation and as per the build policy
* Working on new evergreen projects design, Capacity Planning and Go-live activities. Performing DR activities and implemented DR tests.
* Migration of Database environments. Planning and execution of necessary upgrades like SP’s, CU’s and hot fixes. Enabling TDE on Databases and applying Certificates.
* Working with different packages of AWS automation for general host level tasks (Ex. Boto3, AWS PowerShell) and Aurora PostgreSQL tasks using PL/PGSQL
* Working on various complex performance issues, Query tuning, index tuning, Statistics management and query hints etc.
* Regular DB activities like backup failures, DB refreshes, security management, policy-based management, Job failures, batch job configurations and JOBEXEC/UNIX job scheduling etc.
* Configuring and Troubleshooting of Always on Availability groups, Mirroring and SQL Server replication.
* Working on database space management using SQL partitioning, compression and Archival automations using PowerShell.
* Working on SQL Dumps and DB refresh on PostgreSQL databases using Python and PL/PGSQL
* Worked on cloud watch to monitor the resources such as EC2 CPU memory, Amazon to design high availability applications on AWS across availability zones.
* Implemented AWS solutions using S3, RDS, EBS, Elastic Load Balancer, and Auto scaling groups. Perform AWS Cloud administration managing EC2 instances, S3, SES and SNS services.
* Working on Vaccum and analyze operations regularly on PostgreSQL database tables,
* Working on Azure SQL Configurations, configure Logical SQL servers, databases, elastic pools in Azure Cloud IAAS and PAAS.Troubleshoot Azure related issues and engage internal teams and vendor issue resolutions.
* Planning and implementation of Database Roadmap items as per the priority and project size and project tracking using JIRA and internal tracking tools.
* Working on creating dashboards using Looker and analyzing data.
* Sprint planning, introspection, reviewing and Scrum management for database team.
* Working on Various Monitoring and Alerting solutions
* Planning and execution of activities to transform team into site reliability engineering stream.
* Taking on job training and knowledge sharing to internal team members and cross teams also.

**Environment:** MS SQL Server 2019, 2017, 2016, 2014,2012,2008R2, Azure, AWS, Powershell, Python, SSIS, SSRS, SSAS, Aurora PostgreSQL, GIT, Run-deck, Microsoft Excel.

***Company/Employer: Unisys India Pvt Ltd***

***Client: Microsoft – MSIT (Volume Licensing)***

***Lead – Database Administrator May’18 to Jun’20***

Volume Licensing is a Microsoft business unit responsible for the development and delivery MSIT systems, processes, and support for Microsoft's Licensing and Programs business. MSIT offers customized solutions to strengthen the various areas of Licensing Internal line of Business apps which are broadly categorized under Product, Pricing, Program, Transaction, Relationship, Operations, Entitlement and presales space. MSIT has delivered world class customer facing applications and platforms with robust and standardized transaction models, which over the period of time have shown great agility to meet the demand of ever-growing programs, subscriptions and benefit models.

**Roles and Responsibilities:**

* Resolving Issues as per the assigned tickets which includes Backups, Database refresh in lower environments, Security management, Disk space management, Resource utilization issues.
* Configured High availability configurations like mirroring, Always On and Replication etc.
* Planning and leading activities like SQL Server migration, Capacity management Reviews, Resource management reviews, Security configuration reviews etc.
* Planning and Working on DB level Tasks like Database file movements, Data refreshes, File loading, data reconciliation etc.
* Installing and monitoring SQL server clusters and applying Service packs and Cumulative updates and hotfixes as per the requirement.
* Monitoring the Tempdb/UserDbs data file and transactional log full issues.
* Writing custom alerting or monitoring solutions using the scripting languages like PowerShell and TSQL
* Managing 300+ DB servers both Cloud based and on-premise servers.
* Deploy, Configure, Maintain Compute on Azure IAAS and PAAS servers and Troubleshooting issues occurred with the databases in Azure cloud environment.
* Suggest Cost optimization solutions in Azure PAAS environment.
* Enabling and Managing data masking and encryption in Azure cloud environment
* Enabling Geo replication to ensure availability of the Azure databases as DR plan.
* Enabling Long time retention backup policy for Azure databases.
* Creation of indexes, Partitions of the data in the Azure databases.
* Migrated on premise database structure to Confidential Redshift data warehouse.
* Created S3 buckets, configured versioning, logging, access control lists and object lifecycle management using S3, S3-Infrequent Access, Reduced Redundancy Storage and Glacier.
* Performed AWS Cloud administration managing EC2 instances, S3, SES and SNS services.
* Implemented AWS solutions using S3, RDS, EBS, Elastic Load Balancer, and Auto scaling groups.
* Redirecting Apps to new Prod Boxes, testing connectivity, retrieval & report generation.
* Experience and good knowledge in AWS (Amazon Web Services) services like EC2, S3, Glacier, Elastic Load Balancer (ELB), RDS, SNS, SWF, Cloud watch, Route53.
* Preparing RCA for various issues.
* Reviewing SQL Server and SQL Server Agent Error Logs.
* Analysing reports and stored procedures for performance issues and tuning the queries and indexes, tuning configurations for better performance.
* Working on business solutions for Data quality improvement
* Driving all the activities with team and leading the activities.
* Attending Stability management, Capacity review, Development code review and Operational Readiness Review meetings during every change cycle.

**Environment:** MS SQL Server 2016,2014,2012,2008R2, Azure, AWS, Powershell, SSIS, TFS, Microsoft Excel.

***Company/Employer: Fulcrum Global Technologies Pvt Ltd***

***Client: Norton Rose Fulbright (EPOCH)***

***Senior Database Administrator Jan’17 to Apr’18***

EPOCH is comprehensive, advanced timekeeping solution for timekeepers that increases accuracy and efficiency of recording and tracking of time. Also streamlines the process and provides hands-free dictation, automated time entries through contextual tracking, cross-platform functionality for manual time entry, timecard editing, offline entry. Utilizing this timekeeping solution reduces the time required to record tasks, missed opportunities for billable time, and possible errors in recalling work.

**Roles and Responsibilities:**

* Resolving the tickets assigned based on the priority as per the SLA.
* Configured Microsoft Failover Clustering which includes multi geo clustering and Storage replication.
* Extensively planned and executed SQL Server migration from SQL Server 2008 to 2012 & 2014 Which includes pre migration tasks like performance testing, load testing using RML and application testing.
* Wrote multiple automations for Custom alerting, Regular database tasks like Refresh etc in TSQL and Powershell.
* Daily Checking the health of the Databases Application wise.
* Monitoring the DB space and planning for Space management and Capacity planning. Worked on Disk space extension in both clustered and non-clustered environments
* Applying patches to test/dev/productions servers in both clustered and non-clustered environment.
* Creation of SQL Logins, Server level roles, Database users, database level roles and object level access management.
* Implemented Log Shipping, Transactional Replication and troubleshooting the errors.
* Implemented Mirroring, Always on as a disaster recovery solution and configuring the mirroring monitor along with alerts configuration
* Monitoring the status of Maintenance jobs which are schedule to run daily and on weekends.
* Configuring and scheduling the jobs for Rebuilding/reorganizing the indexes at regular intervals for the better performance.
* Monitoring SSIS package jobs and troubleshooting SSIS packages for data level issues and package level issues.
* Building/developing SSIS packages for simple user requirements like data loading, file loading and consolidation of data.
* Working on SSIS configurations at SQL/XML level.
* Configuration and maintenance of SQL Server Reporting services and creation/modification of SSRS reports.
* Building reports for Administration level tasks and health checks
* Working on SSAS cubes, Cube processing etc.
* Altering/processing cubes as per the requirement
* Security and configuration of SSAS cubes.
* Trained my team members in SQL Server Technology

**Environment:** MS SQL Server 2014,2012,2008R2, Powershell, SSIS, SSRS, SSAS, Microsoft Excel.

***Company/Employer:*** ***Jigya Software services Pvt Ltd***

***Client: Sensus -*** ***Sensus Metering Systems***

***Senior Database Administrator Nov'15 to Dec'16***

The Sensus Metering Systems companies are leading world-class providers of water, gas, heat and electric meters including comprehensive metering communications system solutions that comprise both automatic meter reading (“AMR”) and advanced metering infrastructure (“AMI”) systems. Sensus Metering System is a radio-frequency AMR fixed network with one-way transmitter endpoints and is one of the Sensus AMR system solutions offered to the electric, gas and water utility markets in North America. Additional linked businesses include Smith-Blair, Inc. a leading provider of pipe clamp & coupling products for the water, gas, and industrial markets; and Sensus Precision Die Casting a producer of complex, high quality die castings.

**Roles and Responsibilities:**

* Performing SQL Server Installation, service packs and client installations.
* Creating logins and assigning proper permissions, mapping logins and roles.
* Migration of Database Environment from SQL 2005-2008R2 and 2008R2-2012
* Identifying and resolving Blocking issues for better performance
* Troubleshooting space issues and log file issues
* Performed DB refresh activities & recovered databases from backup in disasters
* Creating Databases and managing users and roles
* Troubleshooting Regular job issues
* Designed and implemented comprehensive Backup plan and disaster recovery strategies. Verifying the backup taken on daily basis
* Verifying all instances are up and running as per the checklist
* Troubleshooting any Log shipping issues
* Implemented and managing database clustering
* Handling security and creating SQL/Windows logins and granting permissions as per Roles or individual permissions
* Involved in preparing RCA for various issues
* Attending bridge call during Outages and providing constant updates till resolution
* Trained my team members in SQL Server Technology
* 24 X 7 on call Production Support.

**Environment:** MS SQL Server 2014,2012,2008R2, Powershell, Microsoft Excel.

***Company/Employer: Tech Mahindra /*** ***Ak & S Associates***

***Client: Microsoft - Enterprise and Commerce Information Technology (ECIT)***

***Database Administrator Mar’13 to Jan’15***

ECIT is a Microsoft business unit responsible for the development and delivery of systems, processes, and support for Microsoft's Licensing and Programs business. ECIT offers customized solutions to strengthen the various areas of Licensing Internal line of Business apps which are broadly categorized under Product, Pricing, Program, Transaction, Relationship, Operations, Entitlement and presales space. ECIT has delivered world class customer facing applications and platforms with robust and standardized transaction models, which over the period of time have shown great agility to meet the demand of ever-growing programs, subscriptions and benefit models.

**Roles and Responsibilities:**

* Resolving the tickets assigned based on the priority as per the SLA.
* Configured Microsoft Failover Clustering which includes multi geo clustering and Storage replication.
* Involved in Installing SQL Server and Participating in Patching.
* Creating Databases and managing users and roles
* Creating logins and giving permissions to the users
* Monitoring jobs and troubleshooting the job failures
* Performing DB refreshes in QA environments with production data
* Designed and implemented comprehensive Backup plan and disaster recovery strategies Implemented.
* Extensively worked on Enterprise Manager for managing the database.
* Expertise in using global variables, expressions, and functions for the reports with immense experience in handling sub reports in SSRS.
* Experienced in installing and configuring Reporting services and assigning permissions to different levels of users in SSRS.
* Migrated SSIS packages from SQL Server 2008 R2 to SSIS 2012.
* Involved in Source Data Analysis, analysis and designing mappings for data extraction also responsible for Design and Development of SSIS Packages to load the Data from various Databases and Files.
* Handling temp db issues and Log Space issues
* Monitoring Disk Space of all the Servers and freeing up space as required
* Monitor SQL Error Logs, Schedule tasks, database activity
* Identifying and resolving performance issues. Index Analysis and Performance Tuning.
* Rebuilding and reorganizing of indexes at regular basis for better performance
* Handling clustering and always on issues
* Supporting the month end business closures
* Participating in daily and weekly calls
* Work as part of a 24x7 support.

**Environment:** MS SQL Server 2008,2008R2, 2012, Microsoft Excel.

***Company/Employer:*** ***Optus Infotech Pvt Ltd***

***Client: Digital TV - New Wave Communications***

***Database Administrator Aug'10 to Mar'13***

New Wave Communications is a broadband/cable company providing television, high speed internet, and digital telephone services for residential and business customers in Arkansas, Illinois, Indiana, Missouri, and South Carolina. Digital TV- New Wave digital service combines all the channels with Expanded Basic PLUS access to features. It includes features like Interactive Program Guide – search the TV listings, personalize settings, order movies, sports and specials from Pay-Per-View, Set Parental Control – block channels or programs by rating or title, Digital Music – More than 45 commercial-free channels, 24/7 HDTV – Amazing video and audio with HD etc.

**Roles and Responsibilities:**

* Installed SQL server 2005/2008, Configuration and Administration.
* Monitoring and troubleshooting of backup issues, user permissions, roles, deadlocks and Tempdb issues.
* Maintain Transaction logs availability for up to the minute recoverability to restore.
* Creating the jobs for automating administration and troubleshooting the errors.
* Setting up Backup/Restore and disaster recovery procedures to ensure minimal down time and data loss.
* Performing Database Refreshes
* Installed, authored, and managed reports using SQL Server 2005 Reporting Services.
* Monitoring SQL server performance using SQL Profiler to find performance and dead locks.
* Rebuilding the indexes at regular intervals for better performance
* Analyze long running slow queries and tune the same to optimize application and system performance.
* Monitoring/Maintaining HA options in our environment Log Shipping, Clustering and Mirroring
* Implemented Log Shipping and troubleshooting the errors
* Maintaining High Availability of Databases using Mirroring concepts.
* Configured Transactional Replication between the production servers.
* 24 X 7 on call Production Support.

**Environment:** MS SQL Server 2005, 2008, 2008R2, Microsoft Excel.

**Declaration**

I do hereby declare that the information and particulars furnished above are true to the best of my knowledge.

(Krishna Gudiseva)