N KUMAR

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**DATABASE ADMINISTRATOR/DEVELOPER**

An accomplished Database Administrator/Engineer having more than 14+ years of experience with demonstrated success designing and implementing database solutions that improve business functionality. I have extensive experience in performance tuning, designing, coding, testing and supporting next generation database solutions in SQL Server and MongoDB environments currently working at The ICE Mortgage Inc for 3 years. Specialized in maintaining servers and clients as well as resolving all servers related issues on 24/7 on-call schedule.

**Qualification Highlights**

* Deep understanding of technology with focus on delivering business solutions.
* Good leadership skills
* Implementation of multi-node clusters in AWS
* A team builder who motivates staff to be more productive to work.
* Database administration for multi-gigabyte databases including T-SQL coding, stored procedures, backup/recovery, high availability, Performance Tuning.

**Area of Expertise**

Database Object Creation and modification, backup/recovery, replication, migration, troubleshooting, performance monitoring and tuning, database design, creating and maintaining SSIS and SSRS, writing Stored Procedure, Trigger, Analyze query execution plan, SQL Maintenance plan.

**Technical Expertise**

**Databases:** MS SQL Server 2016/2014/2012/2008R2**,** Mongo 3.6, PostgreSQL 10.2, MySQL

**BI/Reporting Tools:** SSIS, SSRS, Tableau, ClickBase, Talend, Qlik Sense

**Professional Experience**

**The ICE Mortgage**

**Database Administrator / Developer January 2019-Present**

* Worked to implemented Database Design, Development, and maintenance of database applications on SQL Server 2016/2014 in OLTP environment, MongoDB production replica set, SSRS/SSIS development.
* Managing ~4000 active SQL Server databases in Production environment with more than 8 TB of data across 12 servers at Velocify. 24x7 support, Performance Tuning, Index maintenance, Reporting, Code Reviews, Setup Log Shipping between physical servers and AWS instances for HA/DR
* At least 5 years of hands-on experience in PostgreSQL & MySQL Database Administration/ Engineering
* Perform periodically Index tuning, Index maintenance
* Acted as Project Lead for migrating on-prem to AWS Managed Services of 4000+ SQL Server databases, Mongo database instances.
* Managed Azure Virtual Machines, including provisioning, scaling, and monitoring to ensure optimal performance and cost-efficiency.
* Implemented Azure DevOps CI/CD pipelines to automate application deployment processes, reducing deployment time by 50%.
* Providing continuous On-Call support for all clients.
* Design Terraform and Jenkins jobs to create AMI (Amazon Machine Images) and spin up new servers using AMI
* Spin up new SQL Server machines from AMI on AWS using Terraform and Jenkins
* Strong computer literacy and proficiency in data manipulation and reporting tools with demonstrated highly skilled knowledge of SSMS, TSQL, SSAS, SSIS, SSRS, Excel, PowerBI and PowerPivot
* Managing SharePoint 2010, SSIS 2008 and SSAS 2008 production, test and development servers
* Evaluating data file submissions and developing/maintaining SSIS packages for ETL processes
* Setting up Database in AWS with parameter configuration and tuning and job scheduling.
* Currently planning database migration from on-premise datacenter to AWS for infrastructure.
* Perform daily and weekly checks to ensure system availability and health to include successful job completion,
* Tune queries using execution plans, SQL profiler, index tuning, rewriting improvised sql code.
* Setting up Database Maintenance including integrity check, index and statistics maintenance jobs.
* Use of SSRS for reporting, generating daily/weekly database stats report
* Review SQL Code generated from TFS, going to QA and Production and make/suggest appropriate changes
* Improve performance of slow running queries by adding appropriate indexes
* Monitor database backup process in all production servers on daily basis
* Documenting any new development, as well as old processes.

**NOWCOM Consulting Services**

**Client: Westlake Financial Services**

**Sr. Database Developer/ETL Developer/Administrator October 2014-Jan 2019**

* Experience in Database Design, Development and maintenance of database applications on SQL Server 2016, 2014, 2012 in OLTP environment.
* Design Terraform and Jenkins to create an AMI (Amazon Machine Images)
* Spin up new SQL Server from AMI on AWS using Terraform and Jenkins
* Design ETL Process for getting data from different locations
* ETL process implementation, testing and deployment using Talend Data Fabric
* Making sure to manage ETL process using Talend Data Integration after successful deployment and check for any errors/issues on daily/weekly basis.
* Securely remove PII data outside production systems using ETL process, and make sure the data is following proper compliance using Talend Data Quality
* Understanding of Financial services background to implement ETL scenarios and guidelines.
* Setup Logshipping between physical server and AWS instances to test DR/HA scenario
* Use of SSIS for moving data from one server to another and do some complex process
* Use of SSRS for reporting, generating daily/weekly database stats report
* Developed Change Data Capture (CDC) mechanism in SQL Server to capture data changes and apply it to DW environment
* Create Swimlanes environments for Dev and QA Teams
* Handling many database requirements through ticketing system
* Review SQL Code going to QA and Production and make/suggest appropriate changes
* Improve performance of slow running queries by adding appropriate indexes
* Run Ad-hoc queries for management teams
* Off hours support to run queries against all 4000 databases

**NOWCOM Consulting Services**

**Client: Westlake Financial Services**

**Sr. Database Developer/ETL Developer September 2012-October 2014**

* Experience in Database Design, Development and maintenance of database applications on SQL Server 2005/2008 R2/2012 in OLTP environment.
* As part of the team, extensively involved through the Software Development Life Cycle (SDLC) from initial planning through implementation of the projects. Capable of handling responsibilities independently as well as a proactive team member.
* Excellent Experience in monitoring SQL Server Performance tuning in SQL Server 2005 /2008 using SQL Profiler, Query Analyzer, Enterprise Manager, Index Tuning Wizard, and Windows Performance Monitor.
* Team Foundation Server implementation for Database development
* Participating in spring planning, estimating tasks, and updating status in TFS in timely manner.
* Successfully completed Data Intensive projects with complex stored procedure
* Write stored procedures to accomplish desired output.
* Provide ad-hoc query support to Application Developers, Managers, and Superiors when needed.
* Working as Database Developer in three Cross Function teams, and provide all database development/support in every sprint with each team.
* Successfully complete all tasks/work items in every sprint
* Implement SSIS Package when needed, mostly for ETL data between servers, files
* Monitored and deployed SSIS packages and involved in notification services, error handling.
* Experience in creating jobs, SQL Mail Agent, Alerts and schedule SSIS Packages.
* Requirement gathering and designing database based on requirements

**ICLOPS LLC, Chicago, IL**

**Database Developer/Administrator January 2011 – Sept 2012**

* Working on Redesigning of entire Registry as per the new business requirement.
* Modeling and process data coming in from a variety of different data systems and feeds, integrating each feed into unique patient records
* Fully understand the purposes and structures of company staging and warehouse data models and conceptually relate source data models to warehouse data model. Also understand how other company processes use all data, and its client impact.
* Installation of SQL server on Production, Development and Staging Servers, setting up databases, users, roles and permissions.
* Worked/Developed/Maintaining on Microstrategy BI Tool to create Data Warehousing reports and analysis reports.
* Used SSIS in importing data from XML files.
* Monitored and deployed SSIS packages and involved in notification services, error handling.
* Data migration (import & export/BCP) from Text files to SQL Server
* Maintained data integrity by performing validation checks.
* Generated Microsoft Excel Reports when required by client.
* Worked and coordinated with developers in writing and tuning new stored procedures.
* Develop databases to transform data from sources to data warehouse. Make required corrections for errors identified by consolidation database, or by other error checking processes, in a timely fashion.
* Evaluate various external data sources and extrapolate their underlying relational models. Correctly identify all elements needed by company databases within source data.
* Working with XML Data to access/imported to SQL Server
* Involved in requirements gathering, documenting the requirements, developing, testing and implanting the system. Designed and created a Multidimensional model using MS SQL Server Analysis Server.
* Develop and implement reporting packages and services for clients.
* Complete and maintain databases in accordance with company and common architectural standards, as they evolve. Document flows and changes to the system.

**Other World Computing, Woodstock, IL**

www.macsales.com

www.price.com

**Database Administrator July 2009 – January 2011**

* Worked on Price.com’s ETL Process. Maintaining the process. Designing new ETL Process for Price.com.
* Setup process to send an Order Confirmation email to every customer who places order on Macsales.com with their order attached as an attachment using SSIS, SSRS and .NET script.
* Worked on number of projects using MySQL including Designing Database, developing Stored Procedures for other e-commerce business for the company.
* Optimized performance of MySQL Server when needed.
* Worked with Database Backup, Recovery and Disaster Recovery procedures.
* Transformed data from one server to other servers using tools like SSIS, Bulk Copy Program (BCP) and Data Transformation Services (DTS).
* Extensive knowledge of ClickBase tool, developed many reports for different departments over the period of time based on the requirement.
* Building, maintaining and organizing cubes in ClickBase on daily basis.
* Installation of SQL server 2008 R2 on Production, Development and Staging Servers, setting up databases, users, roles and permissions.
* Worked and coordinated with developers in writing and tuning new stored procedures.
* Planned and performed all kinds of Backups such as Full, Differential, Transaction Log and File Group Backups in SQL Server
* Database Design, Database Creation and Database Development in different projects.
* Automate Sending Email process to customers through SSIS and SSRS
* Managed a team of 4 PHP Developers
* Tune database in many critical conditions.
* Performed ETL through SQL Server 2000 DTS Packages and SQL Server 2005-2008 SSIS Packages.
* Involved in requirements gathering, documenting the requirements, developing, testing and implanting the system. Designed and created a Multidimensional model using MS SQL Server Analysis Server.

**EDUCATION**

Master of Science (Computer Science)

University Of Connecticut, CT

**(Jan’07 – Dec ’08)**  **GPA 3.29**

Bachelor of Engineering (Computer Engineering)

Saurashtra University, Rajkot, India **GPA 3.79**

**(Oct’01 - May ’06)**