**Sai Kumar**

**(SQL/Mongo Database Administrator)**

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**Professional Summary:**

* 8 years of experience as **SQL Server / MongoDB Database Administrator** with strong production support and operations experience.
* Good communication skills, team oriented, with a strong dedication to customer satisfaction.
* A proven team player with the ability to communicate at all levels. Mentored both **on-shore and off-shore DBAs**.
* Extensive experience in developing Map-Reduce programs and aggregation frameworks using JavaScript's.
* Experience with **NoSQL** databases, especially **Redis**.
* Experience in developing applications, **automated scripts leveraging MongoDB**.
* Experience in the analysis of data, data modelling and data structures.
* Over 3+ years of experience in **MongoDB (versions 2.x, 3.0.0 and 3.0.5)** installation, configuration and administration.
* Full life cycle experience in highly secure, extremely large-scale deployments of very high volumes of critical data with extensive security.
* Extensive knowledge of Web development, from concept through implementation and optimization.
* Experience in various phases of SDLC such as requirements gathering, analysis, design, implementation, maintenance of software applications and testing Client/Server and web applications.
* Proficiency in multiple databases like **MongoDB, Cassandra, MySQL, ORACLE** and **MS SQL Server**.
* Applied skills in software development, architecture, design, and support for new and existing products.
* Experience in Agile development techniques.
* Hands-on experience in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis and audits.
* Excellent analytical and problem solving skills and ability to work on own besides being a valuable and contributing team player.

**Technical Skills: -**

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| **Databases** | **MongoDB (versions 2.x, 3.0.0 and 3.0.5)** , **MS SQL Server 2002-2017** |
| **Database Tools** | **Sentry One, Idera, Precise, BIDS, DTA, SQL Profiler, PSSDIAG,SQL NEXUS, Net Backup DTS, MS Visio, SQL Loader, Import & Export (DTS), DTSXChange, SSRS, SSAS, SSIS, Erwin, Lite Speed, SQLCMD, Commvault** |
| **High Availability and Disaster Recovery** | **Always On, Clustering, Database Mirroring, Log Shipping** |
| **ETL Tools** | **DTS (Data Transformation Services), SSIS (SQL Server Integration Services)** |
| **Monitoring and Optimization** | **Performance Monitor, SQL Server Profiler, Execution Plans, DMVs (Dynamic Management Views)** |
| **Scripting Language** | **T-SQL (Transact-SQL)** |

**Client: Ever Source Energy, Berlin, CT June 2020- Present**

**Role: SQL DBA/ MongoDB Admin**

**Responsibilities:**

* Analysis of the data to be shared, choosing a shard Key to distribute data evenly.
* Architecture and Capacity planning for **MongoDB/ Cassandra clusters**. Implementing on- premise **MMS** monitoring and backup solution.
* Provided operational support for MongoDB **backup, disaster recovery, performance monitoring, sharding** and **replication** (across multiple environments.) and mongo-built in binaries to monitor and analyze the performance of MONGODB.
* Implemented **ETL workflow** to **load XML** files into Teradata Aster with help of **Hadoop**.
* Experience in managing **MongoDB environment** from availability, **performance** and **scalability perspectives**.
* Used existing **ETL standards** to develop these mappings.
* Provide technical expertise and guidance during testing and deployment of **Redis** Labs software.
* Experience in graph database (preferred Orient DB)
* Involved in change control process, Upgraded, building, Installing, Configuring and Maintaining **MS SQL Server 2008/2008R2/2012/2014/2016/2017 Always ON Availability Group, Active-Active and Active-Passive two node failover Clusters.**
* Worked extensively on monitoring Control and Configuration of error notifications, installing listeners, and adding them to the grid control
* Maintained MongoDB replication environment and troubleshooting issues.
* Worked on creating documents in Mongo database. Administering **SQL server databases, database security** and 24/7 production support for mission critical systems with high availability solutions (**Clustering and always on high availability**).
* Worked on MongoDB database concepts such as **locking, transactions, indexes, Sharding**, replication, schema design.
* Monitoring **Day-to-Day Backups, Log's & recovering** them as per the requirement. Scheduling the databases backup using Cron tab and VERITAS net backup.
* Installation of MongoDB on **physical machines, Virtual machines** as well as **AWS**. **Backup** & **Recovery**, **Database optimization** and **Security maintenance**.
* Testing, evaluation and troubleshooting of different NoSQL database systems and cluster configurations to ensure high-availability in various crash scenarios.

**Client: Microsoft, Redmond, WA Sep 2019- May 2020**

**Role: SQL Server DBA, Microsoft PMC (Partner Center)**

**Responsibilities:**

* Installed and configured **Microsoft SQL Server 2008 R2 and 2012** on **development, test, and pre-production servers.**
* Managed security using **SQL Logins, permissions, roles, and security modes** as part of security policies for various categories of users.
* Implemented disaster recovery strategy using **clustering and setting up AlwaysOn availability groups with failover clusters.**
* Analyzed **Perfmon counters, optimized indexes, and tracked database** **health** for tuning the **SQL Server and improving performance.**
* Resolved blockings and deadlocks, monitored SQL Server performance using tools like **SQL Perfmon, DBCC commands, and analysis of SQL wait types.**
* **Monitored Event Viewer, SQL Error logs, and Log File Viewer** for software and hardware-related errors.
* Analyzed slow-running queries, fine-tuned them to optimize application performance, and improve system performance overall.
* Created **clustered, non-clustered, and column store indexes** and managed them based on **fragmentation levels**.
* Refreshed databases from the production environment to the test environment.
* Provided support for server issues in **development, test, and pre-production environments**.
* Worked closely with developers to ensure the database environment optimally supports the requirements and implements necessary changes.
* Applied **service packs, security patches, and hotfixes** through maintenance windows.
* Created alerts for **database startup failures, drive space issues, and notifications for system, resource, and hardware errors.**

**Lumen21, Inc, Mumbai, India June 2015- July 2018**

**Role: Database Administrator**

**Responsibilities:**

* Installed, managed, and administered **MS SQL Server 2012** production and non-production servers.
* Upgraded and migrated production databases from **SQL Server 2008 R2 to SQL Server 2012.**
* Configured and worked on the **Always-On High Availability concept with Availability Groups in SQL Server 2012.**
* Configured and monitored **database mirroring, log shipping, transactional replication, snapshot, and merge replication.**
* Implemented database mirroring and transactional replication as part of the disaster recovery plan.
* Set up clustering, both active/active and active/passive, on 2012 servers.
* Maintained **SQL Server security**, including **creating logins and users, configuring permissions, and assigning roles.**
* Performed database integrity checks (**DBCC**) and maintenance plans, updated database statistics, and re-indexed and rebuilt indexes for better performance.
* Utilized **Profiler, Performance Counters, DMVs, DMFs, and DTA** for database and query tuning.
* Monitored and resolved bottlenecks such as **blocking, deadlocks, CPU, memory, network, disk space, and disk I/O** using monitoring tools like **Perfmon, and Idera Diagnostic Manager.**
* Proficient in performance testing and benchmarking, identifying and resolving bottlenecks in **ETL** processes, and ensuring data quality and integrity.
* Developed SSIS packages in SQL Server using Business Intelligence Studio and scheduled jobs in SQL Scheduler.

**Client: Prodapt, Chennai, India May 2013- June 2015**

**Role: Windows Administrator**

**Responsibilities:**

* Performing application deployment/installation and troubleshooting for **Windows 2012/2014** based products in both QA and production environments.
* Install, configure, and manage **WebSphere Application Server, WebSphere Commerce Server, and JBoss on Windows servers.**
* Managing users and groups in the **Windows 2012/2014 server environment**.
* Administered and configured websites using **IIS version 7.0 and 6.0 on Windows servers**.
* Managing the disk space and troubleshooting alerts caused by patches/upgrades on Windows servers.
* Worked on installing patches/upgrades on **Windows 2014 R2 (64-bit) / Windows 2012 (64-bit) servers.**
* Worked on automation tasks, such as creating batch scripts for auto backup of **log files and performance logs** from QA and PROD servers on Windows.
* Worked on automating nightly backups on SQL Server by running batch files.
* Collaborated with various teams to solve **server space and** **permission issues and troubleshoot production deployment issues on Windows servers.**

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**EDUCATION: -**

* **Masters in computer science: SACRED HEART UNIVERSITY, CONNECTICUT. 2019**
* **Bachelor of Engineering (B.E.): VJIT, HYDERABAD, INDIA. 2013**
* **Microsoft Certified Professional (MCP).**
* **MCTS: Microsoft SQL Server 2008, Implementation and Maintenance. (EXAM 70-432)**