**Saranya Rajendran**

**🌏** Singapore | **✆** +65 82644912 | **🖂** rsaranyaa.ece@gmail.com

**Database Administrator**

Qualified professional with 2 years and 9 months of experience in database administration. Seeking challenging assignments with a reputed organization to utilize acquired skills in accomplishing organizational and individual growth objectives

|  |  |
| --- | --- |
| Core Skills  **System Management**  **Backup & Disaster Recovery Management**  **Problem Identification**  **Database Protection**  **Project Assistance**  **System Usage**  **Process Reengineering**  **Database Designing**  **Hardware Estimation**  **Team Leadership** | Executive Summary   * Monitor system performance and identify problems that arise. Respond promptly to user-reported errors. * Skilled in protecting the database against threats or unauthorized access. Ensure that the database is adequately backed up and able to be recovered in the event of memory loss. * Cater to the Community version of PostgreSQL version from 9.3 to 9.6V. Configure, integrate, and maintain the Development, Production, and Non-Production of PostgreSQL databases. * Adept at reporting on metrics regarding usage and performance, suggesting changes and improvements for database maintenance or protection. * Liaise with IT project managers and database programmers. Design databases with both front-end and back-end users in mind. * Proficient in supporting SQL Server 2017 to 2008 in Production and UAT Environments * Highly motivated and expertise in extensive design, analytical, and problem-solving skills. |

Professional Experience

**Appscore Solutions Technologies, Chennai, India Apr 2020 / 2021 – Jan 2023**

**Database Administrator**

***Responsibilities:***

* Worked on MSSQL SERVER and PostgreSQL (DBA). Installed PostgreSQL on Linux & Windows servers and PostgreSQL client in DEV, UAT, and PROD Environments.
* Maintained backup using pg\_dump, and pg\_dumpall utility. Created and maintained users, roles and assigned privileges as per production requirements and ensured the security and integrity of the databases.
* Estimated disk storage requirements for database software, database files &database needs. Monitored data activities (i.e., database status, alert logs, disk space, storage space, memory and swap utilization, and long transactions).
* Focused on periodic maintenance (e.g., vacuum, re-indexing, and archiving) and performance tuning by generating the Explain Plan for SQL Queries.
* Updated knowledge of PG Admin Tool and PSQL. Worked closely with management and users on database solutions. Focused on daily monitoring and administration of MS-SQL server databases

Education

* **B.E (Electronics and Communication Engineering),** Anna University, Punalkulam, India 2011

Training Courses

* Postgres Training in Besant Technologies, 2021

IT Skills

* Operating System: Windows Server 2000/03/08/2012, UNIX and Linux
* RDBMS; SQL Server 2017 to 2005, Postgres 9.3, 9.4, 9.5
* Operating System: Red Hat Linux, Oracle Linux, AIX, Windows 2016/10
* Languages: SQL, Shell scripting
* Databases: PostgreSQL 9.X (Community), MS-SQL
* Database Monitoring Tools: PG Admin-4
* Other Tools: PG Admin-4, WinSCP & Putty
* Database Migration Tool: ORA2PG(Database Migration from Oracle to PostgreSQL),
* Ticketing Tool: AOLDON For Change and Write Desk

Personal Details

* **Date of Birth:** 13 Jan 1990
* **Nationality:** Indian
* **Languages Known:** English and Tamil
* **Passport No.:** N9640665 valid till Jul 2026
* **Visa Status:** Dependent Pass valid till Jan 2025

Annexure

Projects

|  |  |
| --- | --- |
| **Project Name** | Capitron, May 2022 – Jan 2023 |
| **Client** | Capitron |
| **Technology** | SQL Server 2012, 2014, 2017, and Postgres 10, 12, 14 |
| **Responsibilities** | * Supported MS-SQL Server 2012\2014\2016\2017 and L1 support in PostgreSQL community database. Created and maintained tablespace (adding or resizing data files, checking free space) * Conducted manual recovery of archive log for standby databases as well as Disaster Recovery for standby databases on Scripting. * Created and configured new databases & schemas and deployed the table structure & data in schemas. Estimated disk storage requirements for database software, database files &database needs. * Monitored data activities (database status, alert logs, disk space, storage space, memory, and swap utilization, and long transactions). Conducted periodic maintenance (vacuum, re-indexing, and archiving). * Focused on Performance Tuning by generating the Explain Plan for SQL Queries. Monitored SQL Error Logs /Schedule Tasks/database activity/ Blocking & deadlocks. * Reviewed/tested, and applied database changes to all environments including UAT, Development, and Production Servers * Configured SQL Server HA between primary and secondary servers. Managed all types of Backup (Full, Differential and T-Log) and restoration |

|  |  |
| --- | --- |
| **Project Name** | JLE Electrical, Koon Transport, Times Square, Apr 2021 - Apr 2022 |
| **Client** | JLE Electrical, Koon Transport, Times Square |
| **Technology** | SQL Server 2012, 2014, 2016 and Postgres 9.3, 9.4, 9.5 |
| **Responsibilities** | * Installed and configured the SQL Server 2012\2014\2016, including service pack deployments * Checked and monitored the issues like backup failures, failed logins. Monitored the Database space management issues * Monitored SQL Error Logs /Scheduled Tasks/database activity/ Blocking & deadlocks. Created new logins and granting privileges to users/groups and objects * Configured and maintained, log shipping for reporting purposes. Provided dedicated support to all Production, UAT & Development Server Environments * Reviewed/tested/applied all database changes to all environments including UAT, Development, and Production Servers * Configured SQL Server Log shipping between primary and secondary servers. Maintained all types of Backup (Full, Differential and T-Log) and restoration. * Implemented DR solution, High Availability of database servers using Database Log Shipping, replications, and mirroring * Troubleshoot performance problems, fine-tuning of databases and index Analysis, SQL issues by using SQL Profiler, Execution Plan, SQL Tuning Advisor and DBCC Commands |

|  |  |
| --- | --- |
| **Project Name** | Shriram Groups Ltd, Apr 2020 - Mar 2021 |
| **Client** | Shriram Groups Ltd. |
| **Technology** | SQL Server 2012, 2014, 2016 |
| **Responsibilities** | * Installed and configured the SQL Server 20116, 2014, 2012/2008 R2/2008, daily checked the tickets and resolved the tickets * Maintained Backup and Recovery strategy encompassing all types of backups like FULL, Differential, Transaction log * Recovered the databases from backup in disasters. Implementing Point-In-Time Recovery solutions. Managed space for application server and production server and managing space in data files and log files * Configured SQL Server Log shipping between primary and secondary servers. Periodic Backups of the database and timely recovery when required * Created and scheduled jobs for Database Maintenance. Checked server health by taking console, tape backup through Hp data protector ( scheduled and manual) and monitoring backups * Monitored replication status and Clustering health of production live server. worked on Dynamic Management Views in SQL Server * Managed rebuilding/monitoring the indexes at regular intervals for better performance. Used SQL Server Profiler, SQL Server Agent, and Database Engine Tuning Advisor (DTA) * Monitored and recommended for performance improvement in hosted databases. This involved index creation, index removal, index modification, file group modifications and adding scheduled jobs to re-index and update statistics in databases |