



Sagar Balaji Valve

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CAREER OBJECTIVE: -

To prove myself as Database Administrator in a progressive managed organization gives me scope to apply my knowledge and skills. I would like to be with a team, which dynamically works towards success and growth of the organization and achieve the set goals.

PROFESSIONAL EXPERIENCE: -

- Currently, working as **Senior Engineer - CIS, LTIMindtree Limited** (formerly - Larsen & Toubro Infotech Limited) from July 2022.
- Worked as Senior Database Administrator, ESDS Software Solutions Limited from Oct 2018 to July 2022.
- Worked as Technical Support Engineer, MilesWeb Internet Services Pvt Ltd from July 2017 to Oct 2018.

PROFESSIONAL SUMMARY: -

- A dynamic professional with 6.2+ years of experience in PostgreSQL DB on Linux/Unix and Windows Platform respectively.
- Experience in PostgreSQL Installation 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 10, 11, 12, 13, 14, 15 Dev, QA, and Production support.
- Experience in PostgreSQL, MySQL Installation and Configuration, Database Backup and Recovery, SQL Tuning, User maintenance, Tablespaces management, Hot Standby and Replication, PITTR and Up-gradation.
- Experience in Installation and creating Hot Streaming Replication (Master and Slave), Failover and High availability cluster.
- Proficient in PostgreSQL DBA activities including configuration settings, database index creation and maintained and Query optimization.
- Hands on Experienced on tools like EDB Postgres, pgbackrest, Slony-I, EFM, XDB-Replication, Repmgr, pgbouncer, pg_pool,
- Experienced in Backup & Recovery using PG_DUMP and PG_DUMPALL, setting up WAL archiving, Point in time recovery.
- Experienced on PostgreSQL extension like pg_stat_statements, query advisor, postgres-pg_tuner, pg_qualstats, PostGIS, Time-ScaleDB.
- Patch Upgrade for all versions 9.2 to 15 in production and QA, DEV Environment.
- Install and Configure Backup and Recovery Tool (BART) and configure Prod and Testing Server.
- Monitor the Disk space and Database growth of database Servers.
- Involving and handling sql-tunning and Stored-Procedure –Tuning in PT of Production and Testing Server.
- Creating index and monitoring index using Explain Plan to make better Performance of Queries.
- Experience in VACUUM and REINDEX in Production Database for Maintenance Activities.
- Configure and Manage Pg-pool and Pg-bouncer to Load-balancing and Automatic Failover in community & EDB Version's.
- Take a Report of PostgreSQL Sever and Analyze send to client.
- Installing and working tools & clients like pg_Admin, phppgadmin, Putty.
- Basic knowledge in adding and deleting Database in a clone in Replication environment.
- Configured and Database installation creating tables, schemas, roles and accessed postgresql.conf files using client Request.

- Implementing and maintaining database security (creating and maintaining users, roles and assign privileges).
- Monitoring the production PostgreSQL alert logs for database errors.
- Installation & Configuration of EFM, pgbackrest, xdb-replication, slony-I replication server, Pg-Admin to monitor the database server performance of query to monitor Cluster and replication.
- Migration of MySQL Database to PostgreSQL Database.
- Migration of AWS Redshift to PostgreSQL Database.
- Worked on Cloud platforms like AWS and Azure cloud.
- PostgreSQL AWS RDS DB / Aurora experience.
- Azure PostgreSQL for Single/Flexi server experience.
- Knowledge on Google cloud platform.

Certifications: -

- PostgreSQL Professional Certified
- Oracle Cloud Data Management 2023 certified foundations associate
- Oracle Cloud Infrastructure 2023 certified foundations associate
- Microsoft Azure Essentials

Technical Competencies: -

Database	PostgreSQL, MySQL, Oracle (L1), MongoDB (L1)
Operating System	Linux/Unix, Ubuntu, Debian, SUSE, Windows, Amazon Linux.
Tools	Pgadmin, dbeaver, pgbadger, PRTG, Application Manage Engine
Scripting	Shell Script
Server tools	Putty, WinSCP, FileZilla etc.

Project Handled: -

- **Honeywell International Inc** from July 2022 till present.
- **IGR** - Inspector General of Registration and Controller of Stamp from Nov 2018 to July 2022.
- **LR** – Land Records from Nov 2018 to July 2022.
- Hitachi Payments Services Private Limited from Nov 2018 to July 2022.
- **MRL** – MRL Posnet Private Limited from Nov 2018 to June 2021.
- Techinfy Solutions Private Limited from Nov 2018 to July 2022.
- **PMC** – Pune Municipal Corporation from Nov 2018 to July 2022.
- **SIDBI** – Small Industries Development Bank of India from Sept 2019 to July 2022.
- **MMRCL** – Mumbai Metro Rail Corporation from Jan 2019 to July 2022.
- **OASYS** - OASYS Cybernetics Private Limited from Dec 2018 to July 2022.
- **GNIDA** – Greater Noida Industrial Development Authority from Aug 2019 to July 2022.
- **VSC** – Vadodara Smart City from Aug 2019 to July 2022.
- **MBMC** – Mira Bhayander Municipal Corporation from Feb 2020 to July 2022.
- **IIBF** – Indian Institute of Banking & Finance from June 2019 to July 2022.
- **NAAC** – National Assessment & Accreditation Council from March 2020 to July 2022.
- **HAL** – Hindustan Aeronautics Limited from March 2021 to July 2022.
- **KSC** -- Kanpur Smart City from March 2021 to July 2022
- **MSRDC** -- Maharashtra State Road Development Corporation from Oct 2021 to July 2022

Roles & Responsibilities: -

- PostgreSQL database administration for all database versions.
- Installation & Configuration of postgresql on multiple OS platforms like RHEL, Centos, Windows, Ubuntu, Debian, and SUSE.
- Database Performance tuning for postgresql databases.
- Setting up High Availability Clusters with Hot Standby/Streaming and Logical Replications.
- DR setup using Repmgr streaming & logical replication.

- Migration of exiting postgres databases existing DC to cloud DC.
- Database Backup & Recovery including pg_dump, pg_restore, pg_basebackup, setting up WAL archiving and PITR- Point in time recovery strategies.
- Database upgrade through pg_upgrade, pg_dump & pg_restore for multiple DB versions.
- Monitoring the production, Dev & QA PostgreSQL alert logs for database errors and take necessary actions on the same.
- Server health check and Database monitoring automations through shell scripts.
- Regular database maintenance activities like vacuum full, analyze and reindexing.
- Implementing and maintaining database security, vulnerability closer.
- Database patching for all DB versions.
- Analyzing active connections and providing suggestions for improvement in coordination with APP/ Dev team.
- Analyzing the server performance, query tuning using pgbadger tool.
- Creating tables, schemas, roles, functions, views, triggers as per client/APP team Request.
- Use of postgresql extension like edb_pg_tuner, edb_query_advisor, edb_index_advisor, dblink, timescaleDB, PostGIS, pg_stat_statements, pglogical etc.
- Configured EDB tools like EFM, pgbackrest, pgbouncer, pg-pool-II, slony-I , XDB-replication server, Bucardo for Dev and Productions environment.
- Opening standby database as a Production for testing and resume back in replication.
- Import / export databases on development and UAT environments for APP testing.
- Installation and configuring failover cluster using tools like patroni, Repmgr, pg_autofailover, EFM, pg_pool-II etc.
- Database auditing - internal & external.
- Performing Disaster Recovery, Mock-Drill for PostgreSQL databases using Switchover, switchback, failover, and failback method.
- Communications with multiple vendors for performance troubleshooting.
- Weekly teams call clients about project deliverability.

EDUCATIONAL SUMMARY: -

Qualifications	Year	University	Grade
BE E&TC	2014	Pune University	52.33%
HSC	2010	Maharashtra State Board	69.83%
SSC	2008	Maharashtra State Board	71.22%

PERSONAL DETAILS: -

Date of Birth	31/071991
Marital status	Married
Gender	Male
Nationality	Indian
Current Address	Flat no-101, Damodar Heights, Chaudhary Park, Wakad, Pune 411057

DECLARATION: -

I certify that the information given above is true.

Date:
Place:

Thanks,
(Sagar Valve)