PAWAN SHARMA

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Career objective

Acquire a challenging position with an organization offering opportunity for career & professional development.

Summary

- 12+ years of experience as a LeadPostgreSQL Database Administrator.
- Expertise in end-to-end automation of PostgreSQL databases and handling day-to-day operational issues.
- Proficient in database administration, disaster recovery planning, testing, monitoring, and backup/restore.
- Skilled in writing ansible playbook, and Restful APIs using Golang, Python, or shell scripts to automate various database activities.
- Experienced in monitoring database performance and working proactively with application teams to tune their queries.
- Adept at providing support and troubleshooting in 24x7 environments.
- Proficient in database design and implementation enhancements.

Technical Skills:

Domain Expertise

- Automobile IT System: - Dealer Management System in Automobiles Company
- Retail IT System:-Retail Business Intelligence and Retail Applications Support
- Airline\Aviation IT System
- Healthcare
- Contact Center Solutions IT System\Mobile Technology

Database

Database:
- PostgreSQL
- MySQL/MariaDB
- Redis

DATABASE ADMINISTRATION SKILLS:
- Good knowledge in PostgreSQL database architecture and primary components.
- PostgreSQL versions 9 through 16
- Worked on various extensions Pgbackrest, Pgaudit, Pgpool, Pgbadger,Pg_Stats_statement, Pg_partman, Dblink,FDW, Pgpassword, Pg_auth_delay..etc.
- Knowledge of PostgreSQL on Docker, Kubernetes, and GCP.
- Database provisioning automation.
- Implementing and maintaining database security (create and maintain users, roles and assign privileges).
- Backup and restore configuration and maintenance.
- PostgreSQL HA/DR using Patroni and replications.
- Collaboration with development, architecture, and release teams, providing architectural design recommendations, and driving standards for effective PostgreSQL transition to production operations
- Monitor and manitained development, testing, and production environments.
- PostgreSQL patching and upgrade.
- 24x7 on-call production database support
- Database security implementation and maintenance (create and maintain users, roles, and assign privileges).
- Monitoring production PostgreSQL alert logs for database errors.

CICD

Jekins, Github, Bitbucket

Programming Language and Automation tools.

- Golang, Ansible,
- Shell Scripting
- Chef Automation Tool
- RestFul API
- Basic knowledge of Python,PhP,HTML and JavaScript.

Orchestration tools

Docker, Kubernetes, Argocd, Ranchers

Others

- Grafana, Promethus, Helm Charts,

Work History

21-Jun-2021 - Present

Lead Software Engineer

Lowes

PostgreSQL Database Administrator

- Manage PostgreSQL On Kubernetes.
- Is responsible for uptime of Production databases.
- Managed teams of 6 members.

8-Apr-2019 - 11-Jun-2021

Senior Software Engineer

Target Corporation Pvt ltd.

PostgreSQL Database Administrator

- Worked as PostgreSQL DBA and DevOps.
- Created handful of Rest API's in golang for Database Selfservice.
- Managed the PostgreSQL DBA team and L2 or L3 database issues.
- Was responsible for monitoring and maintaining the uptime of production databases.

21-Dec 2016 - 6-Apr-2019

Technical Lead

Cognizant Solution Pvt Ltd

Project Worked On: J&J

PostgreSQL Database Administrator

- Worked as a PostgreSQL Database Consultant or Senior PostgreSQL Database Administrator.
- Managed the PostgreSQL DBA team and L2 or L3 database issues.
- Was responsible for monitoring and maintaining the uptime of production databases.
- Worked in the engineering or automation team to create various shell scripts used to perform and automate DBA's day-to-day tasks.
- Worked on PostgreSQL automation in Chef and VRo.
- Participated in the creation of development, staging, and production database instances.
- Migrated databases from Oracle to PostgreSQL or from lower versions to higher versions using pg_upgrade.
- Was responsible for regular backups and recovery, maintenance of databases, and proactive remediation of database operational problems.
- Tested new security patches or releases of RHEL and PostgreSQL before deploying them in the production environment.
- Created various PostgreSQL documents like SOPs, WIs, and checklists, and maintained a runbook (knowledge base).
- Managed logical replication and high availability.

01 Oct 2015 - 18 Dec 2016

Junior Software Engineer

Haygot Education PVT LTD

Project Worked On: Toppr

- Developed and monitored PostgreSQL database replication.
- Created databases, users, and roles with required privileges.
- Analyzed performance issues and worked with data storage devices.
- Prepared and updated scripts for various administrative tasks.
- Maintained documentation of scripts.
- Developed scripts for weekly database backups and cleaning tables.
- Conducted Linux administration activities and managed test databases.
- Created charts in Periscope Data using PostgreSQL queries as per business requirements.
- Evaluated database performance and executed table maintenance processes.
- Handled complete IT infrastructure, IT issues, and third-party IT teams.
- Handled voicelogs and databases.
- Provided complete CRM support.
- Pulled reports directly from the database using MySQL and PostgreSQL queries.
- Maintained Trello cards and Periscope Data dashboards.
- Provided effective IT solutions for the company.
- Created a PostgreSQL streaming replication server to maintain load on the PostgreSQL database server.

- Monitored their inbound and outbound processes with respect to IT.

30 Aug 2014 - 23 Sep 2015	**Senior Product Engineer**

Drishti Soft Solution Pvt Ltd

Project Worked On: Ameyo

- Configured RAID on servers, installed Ameyo OS or CentOS, and installed Ameyo RPMs as per customer requirements.
- Installed PostgreSQL 9.3, created databases, and hosted web applications using PostgreSQL databases.
- Provided training to the contact center IT team, supervisors, and agents.
- Provided onsite and offsite support to customers, handled call center IT issues, communicated with telecom providers, and managed customer escalations.
- Updated the knowledge base for the team to easily fix known issues.
- Coordinated with developers and customers for customized CRM deployments.
- Monitored calls, server health, and database health.
- Analyzed SIP and PRI logs and performed RTP troubleshooting.
- Coordinated with telco providers regarding issues in contact centers.
- Troubleshooted voice issues in contact centers.
- Analyzed the prerequisite and post-installation checklists for products.
- Upgraded patches, monitored application servers as an administrator, and performed performance monitoring.
- Worked as part of a team and provided 24x7 support when required.

18 Jan 2013 - 10 Aug 2014	**Application Support and SQL DBA**

Worked in IBM India Pvt Ltd On contract Basis.

Project Worked On: Carrefour-India

- Provided support on many applications such as P4MD, P4CM, P4CM+, CMT, TP LINUX, CORDYS, THALES, and TIVOLI. Worked on these applications and provided support, resolving any issues that arose from the client side.
- Worked in a team of 8 members, providing L1 and L2 support to clients in rotational shifts.
- Provided user IDs and passwords to end users, and reset passwords using SQL Server when users forgot them.
- Reported and tracked bugs using Bugzilla, resolving finance-related issues.
- Supported the business team in the IMA (Invoice Matching Application) and Thales (Vendor Accounting System).
- Understood and supported all Carrefour processes related to CMT (Customer Management Tool) for cash, deposit, and credit customers.
- Provided L1 and L2 support for Carrefour, while L3 (Java support) was managed by the IBM team.
- Performed end-to-end pricing, taxation, and promotions on items.
- Worked on Oracle and Linux servers, writing SQL commands such as DML, DDL, joins, and others.
- Monitored all batches and ran them manually if they did not run on time.

5 Dec 2011 - 18 Dec 2012	**Technical Support Executive (SQL SUPPORT)**

M/S. ITERATE INDIA PVT. LTD. (IIPL)

Project Worked On: General Motor India

- Installation, Implementation, and Support on Auto Serve WiDMS software used in Authorized Dealers all South India)
- IIS with Win7, Server 2008, Server 2003 installation and configuration.
- Installation and Support Team member.
- Database related error rectification.
- Data Migration.
- Data recover by SQL Server2005 & 2008R2.
- Database Backup & Restore by SQL Server2005&2008.
- Analyzed and provided the solution to the Clients.

Education

2006 - 2007	**School**

Jawahar Navodaya Vidayalaya

2007 - 2011	**B.Tech**

Himachal Pradesh University