

# Jessica Claire

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## PROFESSIONAL SUMMARY

PROFILE SUMMARY. Oracle Database Administrator |PostgreSQL DBA |mysql |AWS| Dataguard | Goldengate| RAC | Rman | MVCC |Repmgr|pgBackrest | pgBouncer | pgbadger | Streaming rep| OEM 13C|Jenkins| Liquibase|nexus|Exadata As a certified Database Administrator with 7+ years experiences, I have hands-on experience overseeing the design, development, and maintenance of various database systems as well as production databases; I believe my skills perfectly suit your needs. I have excellent communication and documentation skills as well as a strong aptitude in analyzing and resolve problems. I enjoy solving large, complex data problems and enjoy the process of building and determining a solution. I have good experience with, Performance tuning, Backup and recovery, upgrades and Patching, advanced Security, Database monitoring using, OEM, TOAD, SQL DEVELOPER, and Shell Scripts and RMAN. I've also used pg\_sta\_activity, pg\_top, and pg\_activity for PostgreSQL. 4+ years Installing and configuring high availability solution including ALWAYS ON, MIRRORING, REPLICATION, CLUSTERING, DATA GUARD for data protection and disaster recovery, GOLDEN GATE and STREEMING REPLICATION for real time replication and high availability and RAC for scalability, high performance, availability. I am an exceptional worker, and I am always very motivated by being able to see the impact of my work on other people. The requirements and skills listed on the job description closely match my background and future career goals.

## SKILLS

- DBA SKILLS:
- Databases:
- Oracle 10g,11g, 12c, 18c, 19c /postgresql 9.10.11,12 /mysql community 5.7,8.0

## WORK HISTORY

### ORACLE & POSTGRESQL DATABASE ADMINISTRATOR11/2019 to CURRENT

#### Zoom | Phoenix, AZ

- Configured PgBouncer for connection pooling and PgBadger for stats reports
- Installed mysql 5.7 and 8.0 version
- Encrypted mysql 5.7 community edition innoDBENGINE
- Clonned mysql databases,restored
- Participated in 24 X 7 Production & Development database support and administration
- Configured and monitored streaming replication between primary and target
- Ran maintenance auto vacuum jobs and customized vacuum on certain tables
- Championed database migration from Oracle to PostgreSQL on premises and on AWS, using Migration Tool Kit, Ora2pg, DMS and SCT
- Rewrote and implemented a backup strategy following company SLA; execution of backup schedule for both physical using Pg\_base\_backup and Pg\_backrest and Pg\_dumpall and Pg\_dump for logical backups
- Deployed Database security policy and installation, using passwords, privileges and user profiles, Enabled
- Encryption for databases
- Cloned databases using creation templates and pg\_dump for testing purposes
- Performed PL/PGSQL errors fixes for application issues
- Tuning of SQL statements, optimize stored procedures, analyze query plans, write advanced PL/pgSQL
- Performed patching and upgrades of Databases using AWS minor versions upgrades, pg\_upgrade, pg\_dumpall and logical replication
- Participated in a weekly on call rotation and run packages during off peak hours
- Installed and configured PG versions 9.7,10.7 and 11.4
- Supported daily administration, monitoring, tuning, and troubleshooting of clusters and single instances on
- Unix/Linux and AWS Console
- Monitored CPU utilization, memory, Database Connections and storage space daily using pg\_stat\_activity,
- PEM, Pg\_view and AWS CloudWatch alarms
- Also use customs shell scripts deployed on crontab to monitor performance and resources
- Revised logs for unusual events and performance issues and took appropriate action
- Implemented table and index partitioning to improve query speed
- Participated in capacity planning meetings to meet the demands of the dynamic aspects of storage and memory for the databases
- Worked with the Data pump to take the logical backups of databases and experienced in performing Point in time recovery using RMAN
- Used oracle configuration assistants like: DBCA (Database Configuration Assistant) for Creating databases, DBUA (Database Upgrade Assistant) for Upgrading databases, and NETCA (Network Configuration Assistant) for creating Client-Server environment using Listener, TNS names etc
- Extensively used AWR, ADDM and explain the plan for periodic performance tuning
- AWR, ADDM, ASH, TOAD and Oracle Grid Cloud monitoring
- Configured Oracle Data guard for Oracle Disaster recovery
- Applying upgrade patch, maintenance and interim (opatch) patches on all the databases
- Implemented Flashback technology of the Oracle 12C, 11g, 10g along with Recycle bin for a faster recovery of the databases and database objects
- Performed full & incremental backup (cumulative and differential) using RMAN and implemented recovery strategies
- Refreshed/cloned databases using the RMAN utility
- Made optimal use of Oracle Support in resolving the SRs
- Configure GoldenGate downstream mining and Integrated Component for active passive and active replication
- Installed,configured,maintained,upgraded,patched OEM 12C,13C
- Worked with Exadata by installing,upgrading, patching,tuning,monitoring and troubleshooting databases.

### DATABASE ADMINISTRATOR

01/2016 to 10/2019

#### Emw, Inc. | Norfolk, VA

- Perform maintenance activities like checking auto vacuum jobs, and customized vacuum on certain tables
- Supported Oracle DB backups (online/offline), logical backups and UNIX scripts, created clone databases, performed DBA day-to-day activities
- Implemented shell-scripts for automation of day-to-day activities
- Monitor database systems and provide technical support for database system issues and application performance enhancement/improvement using both OEM (client), Oracle 10g database control & SQL
- Plus, as well as pre-developed UNIX shell scripts
- Applied Critical Patch Updates (CPU) and Patch set updates (PSU) on Oracle databases and interim patches for various bugfixes on database products
- Backed up and recovered/Cloned/Migrated databases using RMAN and traditional Datapump export/ import utilities in Oracle 10gR2 and 11g
- Used to run scripts to check the status of databases such as growing table sizes, extent allocation, free space, used space, fragmentation etc
- Created Physical Standby databases, performed Failover and Switchover using Data Guard Broker and manually when required
- Involved in Oracle Golden Gate installation, configuration, and monitoring
- Implemented Oracle database 12C RAC databases using Oracle Clusterware for achieving high Availability
- Oracle Installation, Configuration, Migration, Upgrades and Patches
- Server versions ranged from Oracle 10g – 19c
- Disaster recovery planning or Emergency Recoveries and Ensuring Recoverability of Databases
- Experience working on POC of 12c new features like Redaction policy, adaptive query optimization, multiple indexes on single column, Restore table through RMAN
- Implementation and administration of users and database permissions
- Creation of technical documents, transportable tablespace, and user managed backup and concept of database system and security
- Database backup using crontab and shell scripting, restore and recovery using RMAN, RTO/RPO and optimization
- Work with deployment team members to plan, review and deploy databases and database updates for applications
- Database PeopleSoft tools creation, cold, hot and user-managed backups
- Verify SQL database and backup jobs run successfully according to their defined schedules
- Provide periodic reports on the performance, capacity and availability of database
- Database patches, management, duplication, migration and tuning
- Configure and install new SQL Servers
- Experience interfacing with Oracle support, while providing trouble shooting and offering consultation to developer's teams and clients
- SQL database disk layout by allocating channels to disks and configuring parallelism
- Coordinated with team members to setup documentation standards
- Proactively monitor database performance while tuning database for improvement and efficiency
- Meeting business needs while monitoring ticketing system such as BMC Remedy and delivering high quality services in a timely manner and applying patches
- Create and configure Oracle security and policies using Oracle Enterprise Manager
- I have experience in assessing and evaluating Oracle RAC environment for documenting
- Failover and Switchover for high availability, maximum performance and protection
- AWR, ADDM, ASH, TOAD and Oracle Grid Cloud monitoring
- Create and configure Oracle advance security and policies using Oracle Cloud Control Enterprise Manager
- Installed and Configured Grid Control, Multitenant and Pluggable Database Cluster database
- Assess and evaluate existing Oracle environments for documenting and recommending Life Cycle Replacement options
- Installed cluster RAC database and Grid Control
- Applied PSU patches on Oracle Container and Pluggable Database Cluster environments
- Evaluate Oracle features and Oracle related products
- Participated in cross platform migrations such as Oracle to PostgreSQL
- Documented and assisted in Data migration from Oracle Databases to PostgreSQL database on premises and in AWS Cloud
- Involved in Installing/configuring PostgreSQL version 9.6 to 12
- Manage and monitor these databases using pgAdmin
- Using pgHero for Performance tuning as well as SQL Tuning using explain Analyze and pg\_stat\_activity
- Performing basic tasks such as objects such as, creating roles, granting privileges, creating tables
- Implementing the use of indexes, and primary & foreign key constraints as required
- Providing PRODUCTION SUPPORT based on a ticketing system
- Assisted in defining and implementing MAINTAINANCE PLAN for the database systems
- Performing Maintenance activities like vacuum, vacuum full, analyze etc
- Configured PgBouncer for connection pooling and pgBadger for generating statistic reports
- Experienced of tuning PostgreSQL server settings & Troubleshooting performance issues
- Managing Users and Tablespaces on PostgreSQL Servers
- Using Customized scripts, to monitor database growth, TABLE growth, automated backups using Cronjobs
- Checking the AUTO VACUUM jobs, Customized VACUUM on certain tables and columns
- Experienced in handling logical and physical database BACKUPS
- Assisted in developing and implementing best practices for Disaster Recovery and Backups
- Used restoration techniques like pg\_restore and (PITR) Point in Time Recovery
- Performing BACKUPS, and RESTORE, Compressed (gzip) BACKUPS, Database or Schema REFRESHES
- Configuring streaming replication (including cascading replication)
- Configured a replication between
- Primary and target and monitored On-Going REPLICATION.

### ORACLE DATABASE ADMINISTRATOR

03/2014 to 11/2015

#### ALLIANZ | City, STATE

- Successfully installed and configured Oracle 11.1.0.7, Oracle 10.2.0.5 databases on AIX platforms
- Oracle Production Support Database Administrator
- Administered and monitored over 150 databases both on 10g/11g on prod/test/dev environments
- Migrated databases from Filesystem to Automatic Storage Management (ASM)
- Involved in migrating applications from Solaris 10g/11g to Linux 11.2.0.3 using Transportable Tablespace,
- RMAN Convert
- Up-gradation of single instance databases from 10.2.0.4 to 11.2.0.3 on
- Installed 12C grid control and Used Oracle Enterprise Manager Grid control 11g/12c for monitoring databases
- Programming in shell to create shell scripts that automate the database backups and maintenance
- Installed and set up High Availability Oracle Golden Gate (OGG) systems on Oracle 11g and 12c environments
- Upgraded Oracle Golden Gate (OGG) systems from 11g to 12c
- Have implemented two types of standby databases supported by Data Guard, logical standby and physical standby databases in 11gR2 on two node RAC
- Having hands on experience in Hot/Cold Backup, Recovery and Cloning of databases using RMAN.

## EDUCATION

### BSc. (Hons) | Economics & statistics

MAY 2013

#### Kyambogo University

- AWS Solutions Architect certified.
- Database 12c: SQL Fundamentals.
- Oracle Database 12c Administration
- Oracle Cloud Infrastructure Architect Associate
- Oracle Autonomous Database Cloud Specialist
- COMPTIA Security + ce.