



**Patrick Choh**

**Oracle Database Administrator**

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### **PROFESSIONAL SUMMARY**

- Oracle Database Administrator with **over eight years** of work experience, and expert level proficiency in handling technologies such as: Oracle **10g, 11g, 12c, 18 & 19c, XML, Windows, Linux, Unix, AIX, Sun Solaris.**
- Experienced in managing Oracle databases to enhance database performance (**performance tuning**), **migrate data, perform patching and upgrades, implement backup and recovery procedures**, and provide high availability solutions by configuring **Data guard, Goldengate, and RAC.**
- Installed, configured, and maintained **Physical, Logical, and Active standby databases** supported by **Dataguard** on Oracle **11g, 12c, 18c, and 19c RAC** servers for the purpose of disaster recovery procedures.
- Proficient with installing, patching, and maintaining an **Oracle E-Business Suite** Release 12.0 or 12.1 system.
- Worked with development and operations staff in resolving problems quickly and efficiently
- Extensive experience with **RMAN Backup & Recovery, Hot Backups, and Logical Backups.**
- Experience in **Logical backup** using **full/ partial export/import** and **Data Pump.**
- Monitored and managed various database components (**logical & physical**) like **tablespaces and segments.**
- Extensively used Database Administrative tools like **Oracle Enterprise Manager, SQL\*PLUS, and TOAD.**
- Participated in planning and implementation of off-site Disaster-Recovery planning and testing.
- Worked on **Shell scripting** for **backup, recovery, and maintenance** for databases.
- Experience in Implementing **FLASHBACK** technology and its various features in Oracle 12c, 18c, 19c

- Talented communicator and analytical thinker, adept at working in both individual and team settings, and creating strong collaborative relationships with coworkers.

## **PROFESSIONAL EXPERIENCE:**

### **Oracle Database Administrator**

**CINTRA SOFTWARE AND SERVICES Inc, NY**

***August 2021 – Present***

- Experience in supporting Oracle databases **10g/11g/12c, 18c & 19c** in different environments on **UNIX** and **Linux, AIX, and Sun Solaris** platforms.
- Created Oracle **Wallets** and implemented **Tablespace level TDE & Data redaction**.
- Experience with installation, configuration & administration of **Oracle Golden Gate** replication for real-time data replication, both **Uni**, and **Bi-directional Goldengate**.
- Experience troubleshooting installation issues, stress testing, performance tuning, and resolving any issues as part of **database upgrade/migration** activities.
- Created **Physical Standby databases** using **RMAN** with zero downtime, **performed Failover and Switchover** using **Data Guard Broker** and manually as and when required
- Configured and administered **RAC** databases for **high availability, load balancing, and scalability**.
- Experience in Oracle -**PeopleSoft, PLSQL, ETL, Informatica**, and cloud deployment and services.
- Experienced with installing, **patching**, and maintaining an **Oracle E-Business Suite** Release 12.0 or 12.1 system.
- Configuration and Administration of **data guard** for **Disaster recovery (Active, Physical, Logical, and Snapshot standby databases)**.
- Experience with 24x7 support of production database environments – complex query **performance tuning** (of existing applications), **Hardware** and **Software** specification, and design.
- Ensure database security by performing database **audits** such as **standard-based, Value-based, fine-grained, and Unified audits**.
- Performed **Transparent data encryption (TDE)** at **tablespace** and column level to secure sensitive data and **Data redaction/masking** to protect data in motion.
- Experience in working on **Linux O.S** and installation of **Oracle software** using **OUI** and **creating and upgrading** databases across different versions from **10g** to **19c** using **DBCA** and **DBUA** respectively.
- Experience with **Oracle Grid control (cloud) & multitenant architecture (container and pluggable databases)**.
- Perform database **backups** using **Datapump** for **logical backups** and **RMAN** for **physical backups**.
- Wide experience managing **RAC** databases and storage on **ASM** and **non-ASM storage**.
- Wide experience in configuring and administering Oracle Enterprise Manager (OEM) to monitor databases.

- Extensive experience with **Database Migration, Installation, Database patching, and Upgrade** from **11g, 12c, 18c and 19c** both manually and automatically.
- Perform database tuning by identifying and tuning problems from the network to slow-running queries using tools such as **AWR, ADDM, Explain Plan, SQL Trace, TKPROF, TOAD, and Oracle Enterprise Manager**.
- Experience handling **Peoplesoft applications**.
- Generated and automated **Statspack/AWR** reports from the Oracle database and analyzed the reports for Oracle wait events, time-consuming SQL queries, table space growth, and database growth.
- Extensively used **Data Pump**, conventional **export/import** utilities for loading data to & from databases, **logical backups**, and migration of databases.
- Knowledge and experience in **Unix shell scripting** & scheduling of tasks e.g., backups using **CRONTAB**.
- Performed **patches** and **Upgrades** including **CPU, and PSU** both manually and automatically using tools like the **Opatch** utility, **DBUA**, and manual **upgrades**.
- Hands-on experience in **Database cloning** using **RMAN**, and strong **backup** and **recovery** experience using **RMAN** and **flashback** technologies using **flashback recovery** features and **recovery queries**.
- Worked on **SQL tuning** using **SQL Tuning Advisor, SQL Access Advisor, SQL Profiler, and SQL Optimizer**.
- Expertise in setting up **Data Guard Fail-Over/Switch-Over/Read-Only** scenarios. Fabricated multiple **CLONING** databases using the traditional method and **RMAN** utility for High availability configuration.
- Good exposure of Oracle DBA tasks like: Extensive knowledge of database **backup/recovery** strategy using **RMAN** and configuration of **Recovery catalog** for multiple databases.
- Performed periodical backups of both full and **incremental, Hot/Cold backups** and **restoration, recovery** of database using **RMAN** utility.
- Exposure to **SQL Tuning Advisor, SQL Profiles, SQL Monitoring, SQL Access Advisor, SQL Baselines**. Installed Oracle 11g, 10g, 12c, 18c, and 19c RAC software.
- Experience in migration of **Non-RAC** database to **RAC, RAC to NON-RAC** using **RMAN, RCONFIG** and **DBCA**.
- Experienced with Adding and Deletion of Nodes in **RAC**.
- Experienced with upgrading databases from **10g and 11g to 12c to 18c and to 19c**
- Worked with Oracle Advanced Technologies like **Oracle Enterprise Manager Grid Control, Oracle Golden Gate, Data Guard** and **Real Application Clusters**.
- Implemented and configured **replication** technology using **Data Guard** installation, configuration, and troubleshooting on **Linux and Unix Platforms**.

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**AT&T, DALLAS TEXAS**

**February 2017 – JUNE 2021**

- **Cloned/Migrated** databases using **RMAN** and traditional **Data Pump export/import** utilities in Oracle **11gR2**.
- Scheduling the **Physical backups (hot & cold)** in **CRON** tab using **RMAN** utility and monitoring the scheduled jobs.
- Ability to design, develop, test, and deploy web applications.
- Strong experience in web development technologies like **HTML**.
- Wide experience in **data warehousing & Data modeling**.
- Strong skills in applying **security patches** like **CPU, PSU, and One-off Patch**
- Successfully upgraded the databases from **11g to non-CDB 12c, to 18c, and to 19c**.
- Created **Oracle Wallets** and implemented **Tablespace level TDE security**.
- 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 using **RMAN** with zero downtime, performed **Failover** and **Switchover** using **Data Guard Broker** and manually as and when required.
- Worked extensively with **Physical Standby** database, **troubleshooting, switchover, and switchback** with **Physical standby** setup.
- Configured **Goldengate** for real-time **data replication**
- **Migrated** data using **data pump**, and **transportable tablespaces** both between Oracle platforms and across other platforms.
- Expert in tuning database performance using the **AWR** report, **ASH** report, **ADDM**, **Explain Plan**, and seeking recommendations from the **Tuning advisors**.

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**BlueCross BlueShield - Atlanta, GA      Jun 2014 – Dec 2017**

- Supporting multiple databases for production, development, test, and staging purposes on **Sun Solaris and Windows** environments.
- Applying upgrade patch, maintenance, and interim (**opatch**) patches on all the databases.
- Implemented oracle **12c active standby database for test database environment**.
- Extensive Experience with Change Board Meetings and Change Control Management for all database changes.
- Providing database administrative support and **24x7 on-call support for production, development oracle 12c/11g databases on Red Hat Linux 5.0 and oracle enterprise Linux 5.5**
- **Experience with large databases (1.5 Tb) for OLTP and OLAP applications.**
- Performed **installation, configuration, and maintenance of oracle 11g/12c, 11g RAC databases.**
- Experience in configuring oracle **10g, 11g Real application cluster (RAC) (2 and 3 nodes) using cluster ware and automatic storage management(ASM).**
- Performed migration of oracle **10g/11g non-RAC single instance to RAC database instances.**

- Experience with **11g cluster maintenance using the CRSCTL command.**
- Experience in using **SRVCTL command for Oracle 11g RAC database.**
- Implemented Disaster Recovery database **10g/11gData Guard on physical standby database in maximum performance mode using LGWR ASYNC mode.**
- Scheduling repetitive activities like **gathering schema statistics, exports, table space usage report** using **crontab.**
- Knowledge in writing UNIX/SHELL scripts for providing the reports.
- Installed and **configured Oracle 11g database on a test server using Oracle standard procedures and OFA,** for performance testing and future 10g production implementation.
- Applied **PSU Patches (11.2.0.3, 11.2.0.4)** as a part of maintenance activity.
- Implemented and **managed optimum physical database design (tablespaces, data files, extents, redo logs, archive logs)** and assessed database capacity by monitoring online storage, growth, and file system space, in adherence to the **Optimal Flex Architecture**
- Provided **instance level performance monitoring and tuning for Event Waits, Sessions, Physical and Logical IO, and Memory Usage.**
- Configured ASM and handled issues and suggested feasible workarounds for ASM Metadata corruption
- Extensively worked with **ASMCMD** for managing the ASM environment.
- Used **Oracle 11g/12c AWR & ADDM** to monitor database activities and performance tuning.
- Backup of Database (**Making Backup Schedules depending upon Business Strategy: Daily Backup, Weekly Backup, etc.**)
- Successfully implemented **Backup & Recovery using RMAN which includes hot backups and Cold backups.**
- Worked extensively on **Performance tuning of Queries by maintaining Aggregates, Compression, partition, indexing, and use of Hints, Stored outlines, and Statistics.**
- Resolved data integration issues.
- Performed **version upgrades and patch installs.**
- Solid discipline in providing end-users timely updates on their problems. Installing server software.
- **ASM implementation & maintenance. Migrating and upgrading the Oracle 10g database to Oracle 10g and incorporating the changes in the database design.**
- Implemented oracle **12c flex asm for pre-prod environment.**
- **Utilized rman recover table functionality and created proof of concepts for our pre-prod environment.**
- **Installed, and Configured Oracle 12c Goldengate on Oracle 12c Database.**
- Implemented OEM 12c Repository database, OEM 12c Agent, and golden gate plugin Installations.
- **Proactive performance monitoring, and capacity planning for future database and server growth using OEM.**
- Created a **Clone Database using RMAN on remote Server and used SRVCTL commands for Real Application Cluster (RAC) Databases**
- Implemented Data Guard with high availability and performance configurations and participated in Data Guard Fail over tests.
- Responsible for the **smooth functioning of all eCommerce activities of the organization.**
- Monitored **data transfer between the Database servers using Data Stage, Oracle Streams/CDC**

## **EDUCATION & CERTIFICATIONS:**

- Oracle Database 12c Administrator certified Associate (OCA)
- AWS Solutions Architect- Associate Certified
- CHARTERED INSTITUTE OF PROCUREMENT AND SUPPLY (CIPS) UK.  
(Professional diploma / B.A (Hons) Degree in Procurement and Supply Chain)
- Oracle Certified Professional (OCP) in progress

## **TECHNICAL SKILLS:**

<b>Operating Systems</b>	HP-UX 10.x, 11.x. Sun Solaris 2.5, 2.6, 8, 9, 10. AIX 5.1, 5.2, 5.3, 6.1 RHEL 2.1, 3.x, 4.x, 5.x.Linux Enterprise Server 9, 10. Windows 95/98/2006/NT/2000.
<b>RDBMS</b>	Oracle 10g, 11g, 12c, 18c, 19c
<b>Languages</b>	SQL, PL/SQL, UNIX Shell Scripting, PERL.
<b>Tools</b>	<b>TKPROF, EXPLAIN PLAN, STATSPACK, AWR, and ADDM</b> Toad, Putty, NX client, WinSCP.
<b>Database Utilities</b>	SQL*Plus, Oracle Enterprise Manager 12 and 13c, Real Application Cluster, ASM, Transportable Tablespaces, SQL*Loader, RMAN, DataPump, Export, Import
<b>APPLICATIONS</b>	HR, FIN, PEOPLESOFT