

Nikhil Seth
Oracle DBA

Mobile Number: 416-520-8085
Email ID: Sethnikhil04@gmail.com

PROFESSIONAL SUMMARY:

- Around 7.5 **years** of experience in Oracle Database Administration having hands on experience in **Database Administration, Database Installation, Upgrading, Migration, Patching, Performance Tuning, RAC Installation, all kind of Backups and Recoveries, Cloning, Database Security, Auditing, Data Guard, Resource Manager, product support and Golden Gate.**
- PostgreSQL Installation, Configuration, Migration, Upgrades and Patches.
- Server versions ranged from PostgreSQL 9.6, 10, 11 and 12.
- Working as Lead PostgreSQL DBA and handling various duty of PostgreSQL DBA and providing support to consulting clients for various projects for ongoing issue in Development, Testing and PROD environment including Database upgrade, Application patches and DR activities.
- Creating Oracle,MySQL,Aurora RDS databases on AWS.
- Migrated Oracle on-premise database to AWS Cloud using DMS and other utilities.
- Good Experience on AWS migration utilities like SCT, DMS , EXPDP, IMPDP.
- Management of Snapshot backups and restore recovery operations on Oracle RDS database.
- Wallet and Certification configuration on Oracle RDS.
- Installed and configured Oracle Enterprise Manager **OEM 13C (13.2 & 13.4)**
- Managed production databases for **24x7x365** support.
- Strong experience in supporting development, unit test, system test, Integration test, certification test, production databases under almost all flavors and different versions of **UNIX.**
- Architected and scripted **RMAN** backup and recovery for multiple projects.
- Received training on oracle database administration, backup and recovery, performance tuning and network administration for oracle versions **(8i, 10g, 11g and 12c, 19c)** from Oracle Corporation training center.
- Designed developed and implemented complete **RMAN** backup and recovery solution for full/incremental backup and recovery of databases using VERITAS Netback up MML with and without catalog. Used **RMAN** to duplicate database from active database as well as from **RMAN** backup and also performed point in time recovery. Used **RMAN** to create standby database.
- Well aware of the Oracle Database **Disaster Recovery (DR)** best practices, active participation in **DR** Implementation.
- Good at installation, upgrade, administration, backup, recovery, performance tuning, patching, network administration of oracle (**RAC** and **grid** control) OEM 12c, 11gR2, 11gR1, 10g primary and standby databases using data guard, **Enterprise manager** and shell scripts.
- Installed and configured 11g Real Application Cluster (**RAC**) on Oracle Enterprise Linux 5 and also 11gR2 on Redhat Linux on **VMware.**
- SQL tuning and Database performance tuning has been done based on reports generated by **SQL Trace, TKPROF, STATSPACK, Explain Plan, AWR, ADDM** and monitor the database performance on daily basis.
- Performed **SQL** and **PL/SQL** tuning, oracle contention and monitored production database using automatic workload repository (**AWR**), automatic database diagnostic monitor (**ADDM**) and automatic session history.
- Experience in **Oracle Enterprise Manager** Installation and Upgrades.
- Installed, upgraded, patched and maintained Oracle Applications 11g and Release 12 e-business suite.
- Good Understanding of **Oracle Database Patching** strategy and best practice.
- Knowledgeable about how to Configure, Migrate and Maintain, manage I/O Resource, Optimizing

Database Performance of Exadata Storage Server.

- Primary skill set is Oracle DBA and secondary skill in Oracle Applications DBA, UNIX system administration, UNIX **shell scripting** and **Informatics development and administration**. Used **TOAD, OEM, and Perl** and **Korn** scripts to manage databases.
- Automation tasks involving Linux Bash **shell scripting**, PL/SQL, SQL scripting for monitors, and custom reports.
- Developed UNIX korn **shell/Perl scripts** for automatic management of export, gathering of statistics, validation of invalid objects, monitoring of the database, alert log etc. These scripts are run automatically as crontab jobs (batch job on windows) and notify DBAs in case of any failure.
- Write **monitoring/health check scripts** to alert team of database uptime/downtime status, sizing issues, which ensured availability 99.98% of the time.
- Prepare 30+ **automation scripts** for daily repetitive activities.
- Worked with Batch team and reviewed the **batch queries**, recommended changes in the **scripts** to improve the **query performance**. This helped batch queries to run from 8Hrs to 1Hr.
- Knowledge of **Exadata Storage Servers** and monitored X3/X2 Quarter/Half/Full RAC Machines. Worked on **EXADATA** X3-8 and X2-8 Full RAC machines.
- Technical expertise includes managing **Exadata** with database sizes over 50TB, Real application clusters, Oracle database versions up to 12c, data guard replication, enterprise database backup and recovery, Oracle Enterprise Manager and performance tuning with excellent troubleshooting skills.
- **Supported the system 24x7**. Ability to work beyond regular hours.
- Expertise in Oracle **Golden Gate Installation, Migration and troubleshooting GG issues**.
- Performs **Golden Gate** replication monitoring, tuning, and capacity planning.
- Configured Oracle **Golden Gate** and parameter files in an active-active architecture.
- Excellent interpersonal and strong analytical, problem-solving skills with customer service oriented attitude.
- A very good team player, self-motivated, dedicated in any work environment.
- Enthusiasm in learning new technologies.

OPERATING SYSTEM:	UNIX, LINUX, HP-UX, AIX, SUN SOLARIS, WINDOWS NT
TOOLS/UTILITIES:	ERWIN, TOAD, ETL, RAC, RMAN, Oracle Migration Workbench, SQL-Backtrack, STATSPACK, SharePlex, AWR, ADDM, OEM, OLTP, SQL* Loader, ASM, Crystal reports 2.5, Grid Control, Golden Gate, SQL developer, ORACLE APPLICATIONS 11i, Exadata. OEM Cloud control 12c, SQL*Loader, EXP, IMP, TOAD, Data pump.
RDBMS:	ORACLE 8i/9i/10g/11gR1/R2/12C/19C, SqlServer2008,2012,2016,DB2, MS Access
LANGUAGES:	PL/SQL, SQL, UNIX Shell scripting, PHP, PERL
HARDWARE:	IBM RS 6000 servers, Sun Sparc E4500/5000/450 with EMC symmetric 8530and Raid 1 disk storage, HP 9000/E39, DELL Edge 2550/4500.

Academic Qualifications

- Post-Graduation in Mobile Application Course – Cambrian At Hanson (Graduated in 2021)
- Bachelor of Computer Science – Bhavans Vivekananda College (Graduated in 2012)

PROFESSIONAL EXPERIENCE:

TD, Toronto, Canada

Sep 2022 – Present

Project Name: ARM DBA

Role: Oracle DBA Build Team

Toronto-Dominion Bank, doing business as TD Bank Group, is a Canadian multinational banking and financial services corporation headquartered in Toronto, Ontario.

Responsibilities:

- Configuring and fixing the Issues with Pgadmin-III client application.
- Responsible for monitoring environments using monitoring tool viz.
- Nagios, Check Postgres.pl, pgOn, custom scripts and other supporting tools like pgBadger and tailmail.
- Installing and configuring new servers as per customer's request.
- Cloning the Development, test and UAT environments with production data as per customer's request.
- Design and implement disaster recovery for the PostgreSQL Database.
- Configuring the backup jobs on customer system.
- Experienced in performing PITR.
- Patch, Upgrade and keep the PostgreSQL DBs current.
- Develop and enhance scripts to automate and execute various DBA tasks.
- Assist engineering team in the design of appropriate DB Schema and indexing strategy for performance and scalability.
- Experience supporting a mission-critical database environment with 24x7 On-Call Support including weekends.
- Identifying and resolving database issues.
- Support developers for efficient SQL query and Identifying long running queries and optimizing.
- Setup/Maintenance of Test/Development/UAT Servers setup.
- Monitoring of system logs, OS logs, database logs, trace files, database alert files to detect and troubleshoot runtime problems.
- Planning, deploying RDBMS Upgrades/Patches and performing other weekend maintenance activities as a part of On Call support. Active participant in discussions related to Backup Strategy, DC/DR architecture.
- Implemented **Data Pump, Export and Import** on day to day basis.
- Responsible for zero level and incremental backup using **RMAN** and full logical backup using **data**

pump Export/Import.

- Worked closely with the system operations team on database deployment processes and database capacity planning.
 - Implemented backup and recovery procedures (**Cold/Hot backup, RMAN Incremental backups & Import/Export**).
 - Involved to Monitor activities like availability of **database & listeners, space utilization, gathering statistics** for the cost base optimizer, index rebuilding etc.
 - Maintained **DATA GUARD** to provide high availability by implementing **physical stand-by database** and worked with various Oracle 19c features: Streams, **19c Grid Control** and Automatic Storage Management (ASM).
 - Managed Oracle Exadata, RAC databases on different storage systems. (**ASM, ZFS, NFS**).
 - Perform Space **Management & Troubleshooting** the database issues.
 - Advanced Backup and Recovery using Oracle RMAN software; used offline/online for recovery in a production environment via **Kornshell scripting**.
 - Automation tasks involving Linux's Bash **shell scripting**, PL/SQL, SQL scripting for monitors, and custom reports.
-
- Good experience in SQL, PL/SQL, **Shell Scripting, Perl Scripting**, Partitioning, Data modeling, OLAP, Logical and Physical Database Design, Backup and Recovery procedures.
 - Gather table/schema stats on regular basis to improve performance.
 - Actively involved in monitoring the **lock processes, releasing locks** in case of resource blockage and gathering statistics.
 - Ran **Scripts** for Health Check on **Exadata Storage Servers**.
 - Experience in **Oracle RAC** running on Oracle **Exadata** database machine.
 - Implemented **scripts** and performed switchover/failovers with **DATAGUARD** as required.
 - Worked on quarterly switchover exercise to ensure proper switchover and failover process incase necessary.
 - Worked on **ASM** redundancy levels, load rebalancing on **RAC** as well as standalone systems.
 - Creating and Managing Primary Objects like Custom tables, Views, Indexes, user accounts, roles, grants and performing day-to-day operations.
 - Manage **Oracle Enterprise Manager Installation and Upgrade to 19c**.
 - Refreshed multiple databases for Development and Testing upon short request.
 - Performed DDL and DML replication from test and Dev instances into EDW.
 - Monitoring and maintaining **5 node RAC** database on **Red Hat Linux**. Providing support to the development team and handling release schedules.
 - Involved in monitoring the lock processes, releasing locks in case of resource blockage and gathering statistics.
 - Using the **ADDM** to analyze performance problem and with help of **AWR** reports for individual SQL statements. Analyzing recent session activity with an ASH report.

ADP, Hyderabad, India

Mar 2016 – Aug 2019

Project Name: Cummins Manufacturing.

Role: Sr. Oracle DBA

Cummins Inc. is an American multinational corporation that designs, manufactures, and distributes engines, filtration, and power generation products.[3] Cummins also services engines and related equipment, including fuel systems, controls, air handling, filtration, emission control, electrical power generation systems, and trucks.

Responsibilities:

- Provide technical leadership and mentoring to DBA team members. Provide input to performance evaluation and development planning.
- **Technical Lead** and actively involved in **upgrading** the Oracle Database from **12C to 19C**, applying the latest **RU**.
- **Migrating database to AWS and OCI clouds from on-premise.**
- **Leading the efforts of performance tuning** to scale up the test results in tune with the requirement of the application team.
- Provide support to developers with trouble-shooting and performance tuning, including **SGA** analysis, disk subsystem tuning and SQL tuning of Oracle and custom views and queries.
- Optimizes system operations and resource utilization and performs **system capacity analysis** and **planning**.
- Performance monitoring and tuning **with EXPLAIN PLAN, TKPROF, STATSPACK, SQL TRACE, 10046 TRACE, AWR, ADDM.**
- Experience in **Flash-Back Recovery, Data Pump, AWR, ASM, ASH and ADDM, Recycle Bin and Grid Monitoring.**
- Installed and configured Oracle Enterprise Manager **OEM13C.**
- Setup Oracle databases monitoring templates, matrix thresholds and custom database maintenance scripts using **Oracle Enterprise Manager (OEM).**
- Develop and improve procedures for monitoring (**Enterprise Manager**) and proactive intervention, preventing customer impact.
- Performed daily monitoring of Oracle databases from **Oracle Enterprise Manager** and **alertlog files.**
- Designing and creating schema objects like **Database tables**, indexes, views, synonyms, and all schema objects in **Oracle.**
- **Partitioned** large tables to increase the **performance.**
- Assigning users to groups and granted privileges and permissions to appropriate groups.
- Reporting and resolving all serious **Oracle alert log messages.**
- Successfully developed and implemented **monitoring scripts, health check scripts, Database backup** scripts.
- Query optimization, PL/SQL Performance Tuning using Oracle Cost based Optimization techniques, Explain Plan, Trace, Hints, SQL, PL/SQL and **UNIX shell scripting.**
- Performed Explain Plan analysis for Query Optimization and **SQL tuning.** Performed PL/SQL querying and troubleshooting errors in queries using **TOAD and SQL Developer** tool.
- Maintained database security using **security compliance auditing** and profile management, password complexity in order to control access to database.
- Providing Solutions to the Problem Faced by **end Users or Programmers.**
- Table **Partitioning**, creating Index Organized tables, Creating Locally managed Tablespace.
- Responsible for creating standard database creation **scripts, installation, upgrades, contacting** Oracle collaborative support for critical issues.
- Worked on **RMAN backup and restore.**

- Refresh schema-using **Export/Import**. Creating the database, table spaces, tables, indexes, **settings privileges and user logins**.
- **Performance tuning** i.e. Tuning applications, shared pool, I/O distribution, rollback segments, buffer cache, redo mechanisms.
- Can work **independently** to ensure that the databases are operating efficiently and ensure proper backup and disaster recovery methods are maintained.
- Documentation skills for processes and procedures (creating KBs, runbooks, topology etc.)
- Possess good leadership, excellent communication and time management and presentation skills with excellent technical, analytical, interpersonal, problem solving and organizational skills.

Environment: Oracle **11g – 19c, ASM, RMAN, OEM Grid Control 12C, OEM13C, Exp/Imp, Data pump, Data Guard**, SQL Developer, PL/SQL, TOAD, Shell scripting.

Kantar, Hyderabad, India

Aug 2012 – Feb 2016

Role: Oracle DBA

Wells Fargo helps its customers succeed, help communities thrive, and live vision and values every day. Wells Fargo helps to create long-term economic growth and improved quality of life for everyone in our communities. The project was to develop and maintenance of the vendor application.

Responsibilities:

- Responsible for the design, implementation, and capacity planning of database systems for the ACA project utilizing Oracle's newest and advance technologies for both **RAC** and **non-RAC** environments, single node **RAC, RMAN, ASM**, Grid Infrastructure GI, **OEM 12c, GoldenGate**, and WebLogic **12c**.
- Responsible for supporting both production databases development/test databases with sizes of databases varying from **500 GB to 6TB** while coordinating with Unix Team and storage team to configure the OS infrastructure for Oracle Databases.
- Implemented Upgradation and Migration of Database's from **11.2.0.1 to 11.2.0.4** and applying quarterly patches whenever required.
- Monitoring database performance and database operation to prevent downtime, and slowness of the services.
- Performed proactive database maintenance procedures to ensure **optimal performance and uptime**.
- Worked on setting upgrade, installation and configuration of release **11gR2 RAC** with ASM and Raw Devices and 11g CRS.
- **SQL server Administration** and support including clustering and reporting services.
- SQL server replication, mirroring & log shipping.
- Used **Oracle 10g AWR & ADDM** to monitor database activities and performance tuning.
- Experienced in writing complex SQL Queries, Stored Procedures, Triggers, Views, Cursors, Joins, Constraints, **DDL, DML** and User Defined Functions to implement the business logic and also created clustered and non-clustered indexes.
- Performed Database Administration using **TOAD, Oracle Enterprise Manager and SQLscripts**.
- Installed, migrated, configured and tested **Oracle 11g** databases in various environments.
- Extremely dedicated, self-motivated, Pro-Active and willing to assume responsibility.

Environment: LINUX,UNIX,RHEL 6.x, Oracle 11gR2, **RAC, ASM, RMAN, OEM Grid Control 12C, Exp/Imp, Data pump, Data Guard**, PL/SQL, SQL Developer, Shell scripting, TOAD,EXADATA, Oracle Spatial, **Golden Gate 12.1, LINUX, UNIX, Oracle 11gR2, RAC, ASM, RMAN, OEM Grid Control 12C, Exp/Imp, Data pump, Data Guard, SQL Developer, PL/SQL, TOAD, EXADATA, GoldenGate 12.1** , Shell scripting.