**Ravi Kumar Shah**

***Senior Database Administrator***

**SUMMARY**

* 6+ years providing complex Database design models, administration & support of version releases from Oracle database 9i, 10g, 11g to 12c.
* Migration of oracle databases to of Oracle Exadata Database Machine X4-2,
* Configured OEM for Single instance, RAC/High availability databases & Exadata database machine stack including storage nodes.
* Extensive hands on experience with High Availability (HA) solutions that include Oracle Database Core technologies, RAC/GRID INFRUSTRUCTURE, OEM GRID, ASM, RMAN, DataGuard, Flashback database technologies, Active/Passive, Data Warehousing.
* Extensive hands on experience with High Availability (HA) solutions that include Oracle Database Core technologies, RAC/GRID INFRUSTRUCTURE, OEM GRID, ASM, RMAN, DataGuard, Flashback database technologies, Active/Passive, Data Warehousing.
* Experience with Container/pluggable databases.
* Managing Backups & Recovery, Corruption detection and repair.
* Extensively used RMAN duplication of active/inactive databases, backup, restore & recover multiple scenarios, data pump/export/import of data (exp/expdp/imp/impdp) and dataguard physical/logical/snapshot standby databases.
* Performed Multiple standalone, High availability/RAC designs, implementation & full deployments, RAC performance tuning, inter-connect block interchange/cache fusion & maintenance, Real Application Testing (RAT) used in testing major database migration and major code deployments.
* Worked on major database platform migrations, storage migrations, upgrades of Very Large databases of over 100TB, Patching (major/quarterly critical patches)
* Performed and continue to perform design/code peer reviews, representing/leading DBA teams in projects and acting in advisory capacity, mentoring new hires and junior team members.
* Performed multiple database load testing & benchmarking tests.
* Recently used oracle Goldengate to migrate oracle database 10g to 11g and monitoring/maintaining replication between databases at schema & table levels.
* Strong in database performance tuning, monitoring, security, backup/recovery, capacity planning.
* Implemented Oracle advanced Replication solutions, Materialized views & refreshed/cloned production databases to test environments employing data maxing & encryption solutions to preserve customer data security
* Major application schema deployments on live and offline databases.
* Extensively used online table redefinition/reorganization (DBMS\_REDEFINITION) to rename & partition tables to optimize database structures without downtime.
* SOA, Weblogic server administration.
* Oracle LOBS, basicfiles, Securefiles and advanced options including compression and deduplication
* Experience with PL/SQL, SQL and Korn/Perl Scripting and automating db tasks like backups, monitoring database & system performance and clean-up for filesystem.
* Providing 24/7 on-call production support.
* Experience working in Small to large Business Application systems in various industries including Software/Cyber Security, Banking/Finance, Transport, Bio/Pharmaceuticals, Telecoms, Energy and Government funded projects & IT Consulting.
* Analyzing database growth trends, proving future growth projections and also provisioning ASM LUNS by working closely with SA teams.

**CERTIFICATIONS/TRAINING**

* Oracle 10g Certified Professional (OCP)
* Oracle 11g Certified Professional (OCP)

**EDUCATION**

* Bachelor of Science in Electrical Engineering

**TECHNICAL SKILLS**

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| --- | --- |
| Databases: | Oracle 12c/11G /10G/9i, MS SQL Server 2000/2005 |
| Tools: | Oracle Enterprise Manager (OEM 12c)/Grid Control, Erwin, Forms, Reports, Toad, Embarcadero, Power Builder, SQL-Navigator, SQL\*Loader, SQL\*Plus, Foglight, Jira Exp/Imp, Data pump, SQL Loader, SQLBACKTRACK, Oracle, OSWatcher, Oracle Goldengate |
| Languages: | PL/SQL, HTML, DHTML, XML, C++, Unix Scripting, Perl, Python, MS IIS |
| O/S: | Windows Vista/XP/NT/2000/2003, Linux, Sun Solaris 9/8/7/2X, VMWARE, AS/400, COBOL |

**EXPERIENCE**

**State of Florida, Tallahassee, FL Feb’ 17 – Present**

**Sr. Database Administrator**

Responsibilities:

* Installing Oracle enterprise software and upgrading, patching and migrating databases 10g, 11g.
* Providing production support for 24X7 database availability.
* Experience in mentoring junior DBA.
* Planning code migration, database change management and data management through the various stages of the development life cycle.
* Working with the application team for setting up the new environment.
* Cloning production databases to test (QA) databases for application testing.
* Support and advise the development teams on database related issues.
* Responsible for controlling and monitoring user access to the database.
* Created Standby (Dataguard) databases at DR site for all the Tier1 application databases.
* Migrated databases to EMC VMAX SAN.
* Migrated all the databases on filesystem to ASM.
* Installed Oracle 11g RAC (Real Application Cluster) databases and migrated Oracle 10g RAC to Oracle 11g RAC.
* Used Oracle Goldengate to upgrade from 9i to 11g.
* Migrated database to Oracle Exadata.
* Configured Oracle Exadata in the Grid control.
* Experience in implementing Oracle Application Financial module R12 e-business suite.
* Experience with Cloning, Patching of Oracle Application R12.
* Used all the ad utilities (adadmin, adpatch, adctrl), monitoring workers, concurrent managers.
* Creating users for Oracle Application and assigning roles and responsibilities.
* Creating materialized views and partitioning tables to increase the performance.
* Used DBMS\_STATS package to collect the statistics.
* Experience with Installing and monitoring Oracle 11g database.
* Installed Oracle12c Grid Control (OEM) for monitoring all the databases.
* Migrated Oracle database from HP-UX to Linux Server.
* Administration of RAC database in ASM environment and Troubleshooting Oracle RAC environment.
* Experience in using AWR, ADDM, ASH reports.
* Experience in tuning complex queries.
* Used SQL Trace, tkprof, Explain Plan for tuning.
* Partitioning of large tables for better performance.
* Installed and configured Oracle Goldengate to migrate from Oracle 10g database to 11g to reduce the downtime window.
* Setup Goldengate replication for reporting to off the load from production database.
* Responsible for Controlling and monitoring user access to the database.
* Planning for backup and recovery of database information
* Designed and implemented crash recovery strategies, hot and cold backups.
* Experience with Export and Import and Data Pump.
* Experience in using SQL\*Loader to load data from flat files.
* Experience with Unix Shell Scripting (ksh).
* Used TOAD, Embarcadero DBArtisan tool.
* Configured and used Quest Spotlight and Foglight for monitoring.
* Opened SR with Oracle Support to resolve the issue.
* Experience in administration of MS SQL SERVER 2005/2008.
* Involved in upgrading MS SQL SERVER 2005 to 2008.
* Performed daily tasks including backup and restore by using SQL Server Management Studio.

Environment: Linux, HP-UX, Windows 2003/2008, Oracle 10g/11g RAC, 12c, Exadata, Oracle Application R12, MS SQL SERVER 2005/2008, Oracle Enterprise Manager, PL/SQL, RMAN, TOAD, Netbackup, OEM, Grid Control

**Ozburn Hessey Logistics, Brentwood, TN Feb’ 16 – Jan’ 17**

**Sr. Database Administrator**

Responsibilities:

* Installing Oracle enterprise software and upgrading, patching and migrating databases 10g, 11g.
* Working closely with database, application engineers and systems administrators to ensure business critical systems perform optimally.
* Working as part of the Enterprise DBA rotation schedule providing support, RMAN backup and recovery, software installations, schema changes and tuning.
* Defining efficient and optimal database layout, analysing and improving database performance.
* Communicating technical knowledge during technical and custom reviews with both technical and non-technical audiences.
* Working with Oracle Vendor Support teams to resolve oracle bug issues and opening SRs
* Implementing Applications Security for SOX compliance.
* Performing logical backups & restores using datapump & conventional export/import utilities and refreshing QA database environments with production data.
* Performing DBA role Administrative duties like documentation, monitoring and compiling reports.
* Resolving Grid Control/EM agent issues on a grid control that manages multiple targets.
* Troubleshooting all performance and analysing performance reports such as AWR/ASH/ADDM, Explain plans, etc to help reduce performance bottlenecks.
* Mentor other database administrators and serve as subject matter expert.
* Performing Real Application Testing (RAT) for performance testing before major upgrades and code deployments.
* SOA, Weblogic server administration

Environment: Oracle 10g/11g, Oracle 11g RAC, RMAN, Linux, Unix, Shell scripts, OEM, export, import, AWR, RDA, PL/SQL

**Community Health Systems, Nashville, TN Jan’ 15 – Dec’ 15**

**Sr. Oracle DBA**

Responsibilities:

* Created database objects and maintained their physical organization/relationships.
* Installed, configured, upgraded and expanded software server, tools and applications also applied patches for oracle through metalink.oracle.com.
* Performed tuning, sizing, backup, recovery, analysis and defrag tablespaces.
* Designed and modelled DB structures to support a variety of software applications.
* Supported developers in tuning DB and apps for optimal performance.
* Monitored DB growth and provided DB capacity planning for db growth and proper objects sizing, designed and implemented backup methods and disaster recovery strategies and reviewed logs, Trace files and alert log files.
* Installed Oracle 1og RAC (Real Application Cluster)
* Planned and executed database upgrades from 10g to 11g, Involved in storage.
* Used AWR/STATSPACK/ ADDM/ASH reports for analysing the performance issues.
* Used tools such as TKPROF and SQL Trace to troubleshoot performance.
* Experience in using SQL\*Loader to load data from flat files.
* Opened SR with Oracle Support to resolve the issue.

Environment: Oracle 10g/11g, 11g RAC, RMAN, Linux, Unix, Shell scripts, OEM, export, import, AWR, RDA, PL/SQL

**JPMorgan Chase, Somerset, NJ Jan’ 13 – Nov’ 14**

**Oracle DBA**

Responsibilities:

* Configured, implemented 10GR2 4 Node RAC, with ASM, SAN, OCFS2 disk systems on Linux RHEL5.
* High Availability - Added 2 nodes to existing 2-NODE RAC system (to make it a 4-NODE RAC to both Primary & DR sites)
* Principal DBA for RAC Dataguard implementation for critical banking database apps systems.
* Maintained and resolved physical standby databases out of sync with primary (GAP RESOLUTION)
* Assisted/supported SQL, PL/SQL development efforts - coding procedures, functions, triggers and writing SQL queries.
* Provided real time 24/7 database monitoring of critical alerts through Grid Control of over 80 PROD/QA/DEV databases (SMS & Email)
* Worked closely with other teams including developers, business/system users & management in the logical and physical model design.
* High Availability - Conducted DR testing – switching over all critical systems’ primary databases to standby databases and back as well as failovers where primary is not accessible
* Performed Backups and Recovery using RMAN, SQLBACKTRACK, OS scripts & crontab scheduling.
* Implemented and monitored database security at all times and enabling DB Auditing.
* Maintained Database Storage capacity growth trends analysis, coordinating with Storage admins for provision of additional hard disk space for local, RAW, shared SAN/OCFS2 disks.
* Performed new application code releases to testing & production databases.
* Performing/Reviewing and supporting logical/physical Database Designs.
* Worked with Very Large databases (VLDB) – 40TB transactional (OLTP - Operational) and 60TB analytical (OLAP – Data Warehouse).
* Rebuilding indexes, reorganizing database segments
* Created & Managed large table partitions, materialized views and oracle text indexes.
* Performing Data Pump logical backups and restores across multiple environments.
* Cloning/duplicating production data to test systems.
* Used AWR/STATSPACK/ ADDM/ASH reports for analysing the performance issues.
* Used tools such as TKPROF and SQL Trace to troubleshoot performance.
* Created & maintained Korn/perl/plsql scripts to automate database monitoring & administration.
* Analysed and monitored indexes, gathered table/index optimization stats.
* Maintained and resolved physical standby databases out of sync with primary (GAP RESOLUTION)
* Developing PL/SQL stored procedures, shell scripts for aiding database administration and monitoring.
* Provided real time 24/7 database monitoring for warning & critical alerts through Grid Control – over 80 PROD/UAT/DEV databases (SMS & Email)

Environment: Oracle 10g, Oracle 10g RAC, RMAN, Linux, SUN Solaris, Unix, Shell scripts, OEM, Export, Import, AWR, RDA, Data Guard, PL/SQL.

**Winrock International, Kathmandu, Nepal Jul’ 11 – Oct’ 12**

**Oracle DBA**

Responsibilities:

* Attended in house Oracle training.
* Working on tickets.
* Creating tables, views, packages, stored procedures, functions, triggers.
* Working on data fixes for application team.
* Developed PLSQL Packages, Stored and Functions.
* Introduced HINT whenever necessary to reduce the execution time of the query.
* Enrolling users and maintaining system security by implementing the oracle recommendation.
* Planning for backup and recovery of database information
* Used SQL\*Loader to import txt file data to oracle database.
* Created UNIX scripts and scheduled them using CRON job.
* Monitoring the production database.
* Installing Oracle 9i database.
* Setting up cold backup and hot backup.
* Monitoring the databases.

Environment: Oracle 9i, SQL, STATSPACK, TOAD, Win 2000/2003, AIX, Linux