**WALTERS KINGOUM**

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Executive Summary

Quality and result oriented Certified cloud and Database Administrator with over 8years of experience installing and administering different versions of Oracle (19c, 12c, 11g, and 10g) and MS SQL Server (2008R2, 2012, 2014, 2016 and 2017). I also have experience in administering and maintaining Banner Databases, architecting Amazon RDS with Multi-AZ for automatic failover, MS SQL Server HA Merge Replication as well as a five-hour Delay Log Ship. Areas of expertise include production support, installation, upgrade and patching, database refreshes, database migration to AWS RDS/EC2 as well as AWS Redshift using DMS and other BI tools such as Power BI and salesforce, backup, and recovery (using tools like RMAN, SQL SAFE, NETApp, Data pump, MS SSMS, and scripts), performance tuning, database cloning, space management, security, and auditing. Also, have some great experience in cloud orchestration and automation using tools like Ansible, Talend, Jenkins, GitHub, CloudFormation and AWS Systems Manager.

Professional Experience

**Yale University | November** *2019 – Present*

**Database Administrator/AWS Cloud Database Engineer.**

* Implement the build automation processes using Jenkins for all the assigned projects to DEV/UAT/PROD environments and monitoring for any downtime issues by performing regular monitoring.
* Migrate Oracle databases from 12C to 19C.
* Migrate Oracle Databases from on-prem to AWS RDS using DMS and Data pump APIs.
* Working with Github, to manage source code repositories and performed branching, merging and tagging depending on the requirement.
* Migrate PostgreSQL database schemas to Aurora database using AWS Schema Conversion Tool (SCT)
* Collaborate with Developers and other DevOps Engineers to maintain deployments and management strategy.
* Assist with creating and maintaining an automation and monitoring framework, developing automation using shell scripting, Linux, yaml, json etc.
* Create and manage Elastic Load Balancers for high availability
* Create and manage S3 buckets
* Create EC2 Auto Scaling for all migrated production databases
* Designed high availability (HA), and self-healing architectures leveraging fail-over, multi-AZ deployment, routing policies, ELB health checks, Auto Scaling, and other services based on requirements.
* Configure and installed patches on our WebLogic application.
* Perform weekly monthly patches on our API gateway application (Layer7)
* Strong expertise in RMAN backup and other backup tools like Snap Center, Sever Management Objects (SMO), AWS Backups, and Cohesity to carry out backups.
* Used ETL tools like Talend to migrate data to PROD, DEV and Test environments
* Integrating Jenkins deployments and Open Shift to provide a solution that can be used to report issues as they happen for our CI/CD pipeline build jobs.
* Support applications in production and worked closely with offshore teams.
* Perform database and schema refreshes as requested as well as run adhoc queries in all environments.
* Performed database backup using shell scripts, MySQL dump, MySQL backup as well as replication slave (from master to slave).
* Create new databases for application in IT, FT, QA and Prod and apply patches as necessary.
* Install and configure Oracle 12c software while supporting application SDLC.
* Solution and Manage enterprise architecture in AWS (Control Tower, AWS Organization, Trusted Advisor, Landing Zone).
* Excellent Knowledge of AWS Lambda for event-driven, serverless compute platform in AWS to manage and deploy resources.
* Coordinating with Developers to optimize cost and time for seamless release of new applications and upgrading legacy applications.
* Experience in working in an agile environment.

**Progressive Insurance|** *June2016 – October 2019*

**Database Administrator /AWS Cloud Engineer**

* Installed, Configured and Administered Oracle 11g, 12c and 19c on LINUX (RHEL) and Windows Servers
* Involved in capacity and resource planning.
* Administered and managed oracle databases using OEM, Putty, TOAD, SQL developer and command prompt.
* Exposure to new 12c Features, Container and Pluggable Database, FAR-SYNC Instance, Cascade Redo Transport Destination, allowed usage of SYNC and NOAFFIRM to extend Data Guard Range, Moving online Data file, etc.
* Created database links for remote access using distributed database feature.
* Implemented scripts to monitor and get information on space usage and alert log errors.
* Performed switchover failback testing between primary and standby databases.
* Created followed up on Service Requests (SR) for different ora-600 issues
* Applied PSU and SPU quarterly patches on all the databases using the opatch utility.
* Refreshing Dev and Test instances with data from Production using Datapump.
* Debugged PL/SQL packages, DML, DDL, Oracle tables, Stored Procedures, functions, cursors and triggers.
* Resolved issues related to Memory (SGA and PGA), CPU, storage and other database related issues.
* Implement the build automation processes using Jenkins for all the assigned projects to DEV/UAT/PROD environments and monitoring for any downtime issues by performing regular monitoring.
* Working with Github, GitEye enterprise to manage source code repositories and performed branching, merging and tagging depending on the requirement.
* Providing infrastructure solutions on AWS in a fast-paced, challenging, innovative company focused on reliability and customer service.
* Good Knowledge of AWS Lambda for event-driven, serverless compute platform changes in AWS.
* Collaborate with Developers and other DevOps Engineers to maintain deployments and management strategy.
* Assist with creating and maintaining an automation and monitoring framework, developing automation using shell scripting, Linux, python etc.
* Establish and run the processes for on-going maintenance, monitoring, support and security patching of the platform.
* Implemented ASM on RAC and stand-alone databases. Managing disks and disk groups using ASMCA and ASMCMD.
* Migrated non ASM database to ASM database.
* Used RMAN Duplicate and HOT/COLD backups to migrate the data from 11.1.0.7 to 11.2.0.3.
* Implemented Backup/Restoration Strategy, performed Logical Backups using Export/Import utilities.
* Used SCP & FTP extensively to transfer files across servers.
* Implemented data transfer using Transportable Table Spaces (TTS), Data pump.
* Integrating Jenkins deployments and Open Shift to provide a solution that can be used to report issues as they happen for our CI/CD pipeline build jobs.
* Design and implement architectural diagram for the connectivity between On-premise and AWS Cloud Environment.
* Support applications in production and worked closely with offshore teams.
* Tuned SQLs and databases using different performance tuning tools such as SQL Trace, TKPROF, STATSPACK, Explain Plan, AWR, ADDM and SQL Tuning Advisor

**SCOTTRADE** *March 2013 - May 2016*

**Database Administrator**

* Responsible for ensuring availability and performance of enterprise databases (both single-instance and clustered) in production, development, quality assurance, and training environments.
* Research client's issues in a timely manner and follow up with the customer with recommendations and action plans.
* Troubleshoot Golden Gate lags
* Monitoring, administering, developing, and optimizing the performance of the database/application using OEM, TOAD and Dell Foglight.
* Troubleshooting of various database performances by proper diagnosis at all levels like SQL, PL/SQL, database design, database tables, indexes, Instance, memory, operating system, and java calls.
* Developed PL/SQL packages, DML, DDL, Oracle tables, Stored Procedures, functions, cursors, triggers, and UNIX shell scripts.
* Good experience with RAC Clusterware administration, Configuration, Patching and Installation.
* Performed Database upgrade of all pluggable (PDB) databases by upgrading the container (CDB)
* Successfully configured Physical Standby database with oracle 11.2.0.3 RAC database.
* Working on Data guard, switchover, and failover activities as part of disaster recovery management.
* Clusters (RAC) and Automatic Storage Management (ASM), Data guard and Streams
* Upgraded standalone databases to 11g RAC environment.
* Maintenance of Oracle 11gR2 Real Application Cluster (RAC) Database for High Availability and Scalability.
* Perform health checks using crsctl and managing services using srvctl.
* Applying upgrade patch, maintenance and interim (Opatch) patches on standalone and RAC databases.
* Supported Unix Hardware with RAID, SAN, and ASM storage systems.
* Efficiently performed installation, setup, and creation of two node cluster RAC with Oracle 11.2.0.3 database using GRID infrastructure with ASM file systems on Red Hat Enterprise Linux (RHEL 5.5).
* Refreshing Dev and Test databases with data from Production on a regular basis.
* Proactively monitors database systems to ensure secure and performance.
* Installing, configuring and managing the databases like MySQL, Oracle, PostgreSQL
* Hands on experience in setting up database in AWS using RDS , storage using S3 bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
* Resolve and troubleshoot Java Process causing Memory Leaks
* Assists application developers with database and schema design, application security, SQL tuning, bug resolution, and application deployment
* Expertise in implementing data refreshes (at database, schema & table level) using RMAN utility and Datapump, conventional Export/Import of Oracle 11g, 10g.
* Successfully migrated 10g Non CDB databases to 12C pluggable databases.
* Created Oracle Wallets and implemented both Tablespace and object level TDE security.
* Constantly monitor the performance (V$ dynamic performance views at peak load) of the Databases and viewing Alert log files & Trace files.
* Responsible for managing Development, Test, QA and Production databases and implementing future Oracle enhancements to meet the business needs of the end users.
* Create scripts and schedule routine jobs using crontab
* Responsible for bucket creation, user account creation, access permissions and privileges to users as well as policies and IAM role-based policies
* Provision Amazon Linux, Ubuntu, Redhat and Windows EC2 instances using private AMIs and baselines
* Coordinated with the Application Support team to identify and correct issues and bugs relating to WebLogic Involved in 24x7 support rotation for Production, Test and Development Databases
* Worked closely with software developers and DevOps to debug software and system problems.

Education:

* MSc. In IT Management, Grand Canyon University(In Progress)
* BSc. In Finance, University of Buea

**Certifications**

AWS Solutions Architect – Associate

AWS Certified Devops Engineer – Professional

Oracle Certified Associate

Certified Scrum Master- CSM

SQL Fundamentals