Emmanuela Mbe

Oracle Database Administrator

**Emmaashua@gmail.com | (317) 772-9610**

­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Skills Summary

­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* **7plus Years** of total Oracle Database Administration experience in implementing, **Design, Development, Testing and Production support.**
* Extensive hands-on experience in **Installations, configuration, Cloning, Security, Patching, Upgrades of Oracle installation and configured on different platforms like Windows, Linux, RHEL, Oracle Solaris, HP-UX, IBM-AIX, providing 24x7 production support and development support**
* Experience in Installation of **12C Grid Control on OEL 6.3 and experienced in monitoring and managing of Oracle instances using Enterprise Manager Grid Control (OEM grid) 10g /11g/12c/19c.**
* Experience in implementing and planning backup and recovery strategies using **Recovery Manager (RMAN) . Performed block recovery, data files and databases using RMAN with point-in-time recovery option.**
* **Developed database monitoring/health check alert scripts for database uptime/downtime status, and sizing issues using grid control (OEM)**
* **Installation and configuration of Oracle 10g &11g RAC using Cluster ware and ASM.**
* Installed Oracle **Golden Gate 11g, Implemented uni-directional and bi-directional replication.**
* **Strong experience in RMAN, fail-over/fail-back/switch-over of stand by databases.**
* Experienced in Installation and Configuration of Oracle **Primary and Standby (Dataguard) Database and Switchover/Switchback of Database in 10GR2 /11GR2 RAC**
* Experience in **multi-node and RAC environments including configuration of PCP.**
* **Experience in very large scale database environment and mission critical large OLTP and OLAP systems.**
* **Created development, testing, staging, production, RAC and standby databases for OLTP, DSS and Data Warehousing using customized shell scripts and stepwise.**
* Highly experienced in Cloning of Oracle databases from multi-node to single-node and single node to multimode
* **Enabling Load Balancing in a Multi-Tier Architecture**
* Created clone databases for development and test environments using **RMAN and User managed cloning and Implementation of Flashback Technology.**
* Implemented data transfer using **Transportable Table Spaces (TTS), Data Pumps and Export/Import utilities.**
* **Enforced Security administration, system monitoring by adding and removing users, configuring quotas, auditing, and analyzing security problems.**
* **Setup procedure for Database statistics gathering - Frequency, Best Time of the day to execute stats gathering jobs, correct level of gathering statistics.**
* Generate and interpret **Automatic Workload Repository (AWR), Active Session History (ASH), and Automatic Database Diagnostic Monitor (ADDM) reports using OEM.**
* **Configured Targets and used OEM to do the daily tasks regarding the performance, maintenance.**
* **Developing shell scripts and SQL scripts to carry out routine checks on databases.**
* **Implemented proactive monitoring scripts for production databases**.
* Troubleshooting for slow performing **SQL by enabling Database tracing including session specific tracing. Performed SQL Tuning using Explain Plan.**
* Utilized **SQL\* Loader to migrate or load data to Oracle.**
* Experience in using SQL, PL/ SQL procedures, functions, triggers and packages.
* Experience in SQL tuning using **Explain Plans and Hints, Performance Tuning for better performance and Monitoring and optimizing the performance of the database through database tuning - Tuning applications, Tuning Instance, and Tuning Disk Usage.**
* **Worked on different types of storage structures (SAN/NAS)**
* **Installed patches using Opatch utility and expertise in applying Oracle PSU and CPU patches.**
* **Multiple upgrades of Sun Solaris and Linux servers from 9i to 10g, 10g to 11g and 11g to 12c.**
* **Experience with Oracle Support Process for Technical requests using Oracle Metalink and other support procedures.**
* Result oriented, **Self-motivated, Team Player, Ability to work independently and can work during weekends and on-call rotations for support and maintenance activities. Track record of meeting the SLA's within time, Ability to learn any technology and become productive.**

# Projects/tools

­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ORACLE VERSIONS: Oracle Exadata, Oracle 10g/11g/ 12c/19c, MySQL, SQL Server**

**Unix/Linux Operating Systems**

**Golden Gate: 3+ YEARS**

**Security Administration (Users, Roles, Permissions)**

**(TDE)** **Transparent Data Encryption: 2+ YEARS**

**RAC: 3+ years**

**DataGuard: 5 Years**

**Exadata: 5yrs**

**Unix Scripting: 4 years**

**SQL and PL/SQL Scripting**

**Shell Scripting**

**SQL SERVER: 5YEARS**

**AWS:5YRS**

**PostgreSQL: 5YRS**

**Oracle**: SQL\*Loader, TKPROF, Toad, OEM, Toad, TKPROF, EXPLAIN PLAN, STATSPACK,

AWR, ADDM, ASH, SQL, Developer, Grid Control, SSMS, EXPDP, RMAN

**Operating Systems:** Solaris 10/9/8, Sun Sparc, RHEL 5.X/4.X,OEL, HP UX 11i, Windows 2008/2010 server

# Work Experience

­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Dominion Enterprises - Deerfield Beach, FL September 2017 – Present**

**Oracle Database Administrator**

* Oracle HA Stack: **Install, Configure, Setup, Maintain and Support Oracle 11gR1, 11gR2, 12c RAC, Physical and Logical Standby database for Test, Development and Production for various home-developed applications like Portfolio Management Systems and vendor applications like SAP Business solutions** .
* Proficient in setting up, configuring and managing Golden Gate, both unidirectional and bidirectional.
* Involve in **24x7 on-call support for 12 databases of 2.0 TB 4 Node production 10g and 11g RAC databases using Oracle 12c Cloud Control for Alert Monitoring and Notification**
* Upgrade DBs from **11.2.0.4 to 12.1.**
* **Developed backup and recovery strategies using RMAN to ensure data protection and disaster recovery.**
* **Managed and maintained MySQL databases for a large multinational corporation**
* **Implemented and maintained high-availability and disaster recovery solutions using MySQL technologies**
* **I have Administer and maintain multiple DB2 databases, ensuring high availability and performance.**
* worked closely with production and development teams to provide support **for DB2 system and application changes.**
* **Provisioned MySQL instances in clustered and non-clustered configuration.**
* **Manage and maintain multiple Oracle Exadata Database Machine systems.**
* **Experience in Oracle Exadata, Oracle RAC, Oracle Golden Gate, and Oracle Data Guard.**
* **Created automation scripts for routine DBA tasks using shell scripting.**
* **Led the implementation of a database cloning solution using RMAN for data duplication.**
* **Set up and managed Oracle Golden Gate replication between Production and Disaster Recovery sites**
* **Experience in troubleshooting and resolving complex issues related to Golden Gate replication and database performance like Low Performance which is One of the common issues many users face with Oracle Golden Gate. This can be caused by several factors,**
* **including network latency and improperly configured Golden Gate processes.**
* Migrate to **Multitenant Architecture using CDB and PDB of applications that otherwise have their own instances and qualify to be PDBs.**
* **Automated routine tasks such as backups, restores, and patching using AWS CloudFormation.**
* **Performed performance tuning and optimization using AWS performance monitoring tools such as Amazon CloudWatch, and AWS Trusted Advisor.**
* **Migrated on-premises applications and infrastructure to AWS Cloud**
* **Administering and maintaining Oracle databases on-premise and on AWS cloud infrastructure.**
* **Design and implement AWS CloudFormation templates for deploying databases**
* **Participated in database migration projects from on-premises to AWS cloud environment.**
* **Managed the administration of multiple Oracle databases on AWS platform.**
* **Monitor database performance using CloudWatch and other tools**
* **Optimized database performance by tuning SQL queries, indexing, and other parameters**
* **Provided 24/7 support for production databases and resolved critical incidents in a timely manner**
* Troubleshoot and **resolve slowness or performance issues with extensive investigation and follow-up with respective application teams with RCA and proposed solutions.**
* **Patch, Upgrade and keep the PostgreSQL databases current**.
* **Design and Implement disaster recovery for PostgreSQL Databases**
* **Worked as PostgreSQL DBA and handling various duty of Postgres DBA part of remote servicegroup**
* **Analyzing data Quality checks using shell scripts. Upgrading, Installing, and Configuring PostgreSQL Servers.**
* **Develop scripts in Python to automate database maintenance, monitoring, and troubleshooting**
* **Collaborate with developers, data analysts, and IT teams to design, implement, and maintain databases that support business objectives**

**Providing support to consulting clients for various projects for ongoing issue in Development , Testing and PROD environment including Database upgrade, Application patches etc.**

* Resolve **lock/latch and resource contention issues** during production hours
* Configure **Dataguard and Broker for administration of seamless switchovers.**
* **Upgrade GI and DBs from 11g to 12c with physical standby DBs in place**
* Utilize SPM **SQL Baselines, SQL Profiles and SQL Tuning Advisor for troubleshooting and providing tuning recommendations to application teams**.
* Generate and analyze **EXPLAIN PLAN, SQL\*TRACE, TKPROF trace files to identify root cause of SQL performance issues.**
* **Applying upgrade patch, maintenance and interim** (**opatch**) patches on all the databases.
* Refreshing **Dev and Test instances with data from Production** on a regular basis.
* **Monitoring and Troubleshooting GoldenGate Replication issues**
* Day-to-day usage of **Oracle 11gR2 features - Real Application Testing, automatic SGA tuning, enhanced RMAN with Flash Recovery Area, Block Change Tracking, Merge backup, Oracle Data Pump, big file tablespaces, new EM** **Grid Control, Database Control, Studio Control, AWR, ADDM, SQL Tuning/Access Advisors, SQL Performance Analyzer, Database Replay, SQL Plan Management, SQL Tuning Automation, Flashback Database, compression** techniques and several others
* **Install, configure, and maintain SQL Server instances on both physical and virtual machines.**
* **Monitor and optimize database performance using SQL Server Profiler and other tools.**
* **Troubleshoot and resolve issues related to SQL Server and associated applications.**
* **Managed and maintained multiple SQL Server instances and databases.**
* Usage of enhanced features in **12c like Real Application Testing, Table and partition recovery using RMAN, Invisible columns, DDL Logging, Redo Log reduction on GTTs using temp undo\_enabled.**
* Experience using enhanced features in **12c like - Real Application Testing, Table and partition recovery using RMAN, Invisible columns, DDL Logging**
* Resolved **RAC issues, OCR related issues, rebooting of faulty nodes, relocating the switched over services.**
* **Strong administrative experience supporting Oracle and MySQL databases**
* **Strong knowledge of Unix and Linux operating system ( Solaris, RHEL)**
* **Implemented Oracle** **TDE to provide transparent encryption of stored data to support submission efforts with release of Oracle 11g R2.**
* **Extensively used Oracle 11gR2 features** - **Real Application Testing, automatic SGA tuning, enhanced RMAN with Flash Recovery Area, Block Change Tracking, Merge backup, Oracle Data Pump, big file tablespaces, new EM Grid Control, Database Control, Studio Control, AWR, ADDM, SQL Tuning/Access Advisors, SQL Performance Analyzer, Database Replay, SQL Plan Management, SQL Tunig Automation, Flashback Database, compression techniques and several others**
* **Performance Tuning of** **Oracle Database Objects using tools like EXPLAIN PLAN, SQL\*TRACE, TKPROF, STATSPACK for optimized results**
* **Working with Application Development team to address any issues they encounter and provide support and resolution action plan**
* **Database monitoring/maintenance, replication process and performance tuning are done using** **OEM (Oracle Enterprise Manager).**

**Environment**: Oracle **12.1.0.2, 11.2.0.3**, VMS, Sun Solaris, IBM AIX V6.1, Windows Server 2003, Red Hat Linux, TOAD, RMAN, SQL server, OEM. Windows Server 2012/08R2/08/03, SQL Server Manager Studio, PL/SQL

**Johnson Controls - Milwaukee, WI March 2015 – August 2017**

**Oracle Database Administrator**

* **Successfully installed and configured Oracle 11.1.0.7, Oracle 10.2.0.5 databases on AIX platforms.**
* **Monitored different databases and application servers using Oracle Enterprise Manager (OEM) 10g Grid Control.**
* **Loading data from flat files to database using SQL\*Loader, External Tables.**
* **Involved in the installation, configuration and extended support to Oracle 11g, 10g two Node RAC (Real Application Cluster) with ASM file system on AIX platform.**
* **Involved in converting a single instance database to Oracle 11g, 10g RAC databases.**
* **Installed ASM environment and migrated databases from NON-ASM to ASM.**
* **Performed SQL and PL/SQL tuning, oracle contention and monitored production database using automatic workload repository (AWR), automatic database diagnostic monitor (ADDM) and Active Session History (ASH).**
* **Worked closely with the Oracle developers for the better performance in Applications in writing the Packages, Triggers and Indexes on the tables.**
* **Database refreshes using expdp, impdp, RMAN Duplicate and cloning.**
* **Used RMAN Duplicate and HOT/COLD backups to migrate the data from 11.1.0.7 to 11.2.0.3.**
* **Manage PostgreSQL databases, including installation, configuration, and maintenance**
* **Stay up to date with the latest PostgreSQL features and technologies**
* **Administration, management , monitoring Postgres database systems**
* **Supported PostgreSQL Database in AWS**
* **PostgreSQL Installation, Configuration, Migration, Upgrades and patches . Server versions ranged from PostgreSQL 8.2 To 9.5.**
* **Analyzing data Quality checks using shell scripts. Upgrading, Installing, and Configuring PostgreSQL Servers.**
* Experience in **upgrading and migrating** various versions of **Postgres database** on different platforms
* **Responsible for all backup, recovery, and upgrading of all of the PostgreSQL databases. ETL and data warehouse design experience, especially with Greenplum.**
* **Responsible for Configuring, Integrating, and maintaining all Development, QA staging and production PostgreSQL databases within the organization.**
* **proactive monitoring of postgres databases for performance and scalability**
* Made optimal use of **Oracle Support** inresolving the SRs.
* **24 X 7** Production & Development database support and administration.
* **Extensively used AWR, ADDM and explain plan for periodic performance tuning.**
* Implementing **Datapump, conventional** **export/import** utility of **Oracle 11g, 10g** for re-organizing Databases/Schemas/Tables to improve the performance.
* Used **import/export utilities for cloning/migration** of small sized databasesand **Datapump import/export** to move data between **9i and 10g/11g** environments.
* Implemented proactive monitoring using **Tuning Pack**, **Diagnostics Pack**, and **STATSPACK, SQL Trace & TKPROF, EXPLAIN PLAN.**
* **Database monitoring/maintenance, replication process and performance tuning are done using** **OEM (Oracle Enterprise Manager).**
* Experience in implementation of enterprise databases on enterprise Storage Solutions using **Storage area Networks (SAN) and Network attached storage (NAS).**
* **Documented the Standard Processes for peers to follow.**
* **Applying upgrade patch, maintenance and interim (opatch) patches on all the databases.**
* **Implemented Flashback technology of the Oracle 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 **RMAN** utility.
* **Performed Database upgrade from Oracle 9i (9.2.0.7) to Oracle 10g (10.2.0.5) and to Oracle 11g (11.2.0.4) RAC database.**
* **Successful in applying RDBMS patches,** security patches for improving the security and functionality of the databases.
* **Achieved optimized performance for the databases by rebuilding indexes, on tables and indexes.**

**Environment:** Oracle, 11.2.0.4, 10.2.0.5, IBM AIX V6.1, RAC, ASM, RMAN, AWR, ADDM, SQL\* Plus, SQL\*Loader, OEM, TOAD 10.0, PL/SQL

# Education

­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**OCA/SQL CERTIFIED,**

**PROFICENCY**: MS Excel, MS Word, MS Visio, MS Project

**ASSC**- Computer Information Technology: AAS Degree (IVY Tech community College, IN) 2016

**BSC** – Cybersecurity (Strayer University) Washington DC, MD 2021- Current