



# MOHAMMED ASHFAQ HUSSAIN



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Riyadh



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## EDUCATION

Bachelor of Computer  
Applications, Computer  
Applications  
**MCRPV University**

Master of Computer  
Application, Computer  
Application  
**Amity University**

## PERSONAL DETAILS

**Date of birth:** 1982-04-04  
**Nationality:** Indian  
**Marital status:** Married

## LANGUAGES KNOWN

English  
Arabic

## PROFESSIONAL SUMMARY

Accomplished Oracle database professional with extensive expertise in all version of database implementation, migration, and upgrades. Demonstrates proficiency in Oracle RAC, ASM, and DevOps practices. Proven track record in optimizing database performance and securing sensitive data through advanced security management techniques such as TDE, Database Vault, and Audit Vault. Skilled in managing including RAC and Data Guard. Adept at troubleshooting, performance tuning, and implementing comprehensive backup and recovery strategies. Experienced in capacity planning, storage management, and DBA automation using shell scripting. Proficient with Oracle APEX, TOAD, SQL Developer on Oracle Linux 9 (Red Hat) and Windows Server platforms.

Career goal: to continue leading innovative database solutions that enhance organizational efficiency and data security.

## WORK HISTORY

January 2011 - current

### **Saudi Civil Defence & Aviation - Senior Oracle Database Consultant**

- Lead since 2011 to till date, Saudi Civil Defense & Aviation.
- Executed high-impact Oracle database projects, including RAC implementation, disaster recovery, and performance tuning.

January 2010 - December 2011

### **Ministry of Tourism - Oracle Database Administrator**, Riyadh, Saudi Arabia

- Performed comprehensive database administration duties including backup management, recovery planning, and tuning for optimal efficiency.

January 2009 - December 2010

### **Ministry of Communication - Oracle Database Administrator**, Riyadh, Saudi Arabia

- Responsible for core database administration, backup/recovery, and performance tuning activities.

## SKILLS

- Database implementation and migration
- Oracle RAC and ASM
- Performance tuning techniques
- Oracle Goldengate
- Backup and recovery solutions

- SQL Server management
  - DevOps practices
  - Security management strategies
  - Project execution skills
  - Oracle Weblogic
  - Database architecting
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## **CERTIFIED IN:**

- Oracle DBA 11g - OCP Oracle Certified Professional
  - Oracle DBA 11g - OCA Oracle Certified Associates
  - Oracle DBA 10g - OCP Oracle Certified Professional
  - Oracle DBA 10g - OCA Oracle Certified Associates
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## **PROJECT 1 : ORACLE DISASTER RECOVERY IMPLEMENTATION USING DATA GUARD**

**Saudi Civil Defense & Aviation – Riyadh, Saudi Arabia, Duration: June 2016 – Aug 2016.**

**Technologies: Oracle 12c Data Guard (Physical Standby), RMAN ,Linux**

### **Role: Disaster Recovery Specialist / Senior Oracle DBA**

- **Description:** Designed and implemented a robust Disaster Recovery solution for mission-critical to ensure business continuity and minimal data loss.
- **Responsibilities:**, Set up Oracle Data Guard (Physical Standby) between primary and DR sites with near real-time sync.
- Configured Data Guard Broker for centralized monitoring and management.
- Implemented Fast-Start Failover (FSFO) to automate failover during outages.,
- Conducted regular switchover and failover drills to validate DR readiness.,
- Tuned redo transport and apply lag for optimal RTO and RPO.
- Integrated backup strategy with RMAN for zero data loss recovery scenarios.

## **project 2:**

**Description: Planned and executed the upgrade of critical databases from Oracle 12c to 19c in a high-availability RAC environment with Data Guard.**

**Technologies: Oracle 12c/19c, Oracle RAC, ASM, Data Guard, Linux**

**Role: Senior Oracle DBA / Implementation Lead**

### **Responsibilities:**

- Installed and configured Oracle RAC 19c on Linux with ASM.
- Planned and executed in-place upgrades with minimal downtime.
- Configured Oracle Data Guard for disaster recovery., Conducted performance tuning and post-upgrade validation using AWR and ADDM.
- Coordinated with application and infrastructure teams during cutover.

### Project 3:

Description: Optimized database and SQL performance for core systems used in 24/7 operations.

Technologies: Oracle 19c, AWR, ADDM, SQL Tuning Advisor, OEM

Role: Performance Tuning Expert

### Responsibilities:

- Identified high-load SQLs and tuned them using SQL Profiles and Index strategies.
  - Optimized memory structures (SGA, PGA) and OS-level parameters.
  - Automated AWR/ASH report analysis and alerting via OEM.
  - Reduced query response time by over 40% through tuning and code optimization.
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## TRAININGS & CERTIFICATIONS

- Oracle 19c RAC
  - Vmware VCP 6.7 DCV
  - Oracle Golden Gate 12c/19c
  - Oracle WebLogic 12c Administration
  - Oracle Application Server 10g/12c Administration
  - Oracle 9i/10g/11g/12c/19c/21c Database Administration
  - Oracle 6i & 10G Developer 2000
  - PL/SQL Programming
  - Microsoft – SQL Server 2018/2019
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## KEY RESULT AREAS

- Managed database security by implementing strict user access controls, roles, and privileges, and applying **security patches** and updates to ensure compliance and data protection.
- Performed conversion of Non-CDB database to multitenant (CDB/PDB) architecture using DBMS\_PDB and noncdb\_to\_pdb.sql for Oracle 12c/19c environments.
- Extensive experience in managing VLDBs ( up to 250TB ) in oracle 12c/19c, including, **Performance tuning**, partitioning strategies, **RMAN** incremental backups, ASM Storage, and Data Guard for disaster recovery.
- Maintaining& setting-up Oracle disaster recovery site using Data Guard.
- Performing daily monitoring of Oracle instances using Oracle Enterprise Manager, TOAD, table spaces, memory structures, rollback segments, logs and alerts.

- Resolving & troubleshooting database and/or application issues or errors that occurred.
- Configuring Oracle network and creating DB links & materialized views
- Handling backup of the database using RMAN, data capacity planning and space management
- Implementing, configuring and maintaining:
- **Oracle 12c/19c Real Application Cluster (RAC)**
- Storage & Space management, ASM, tablespaces, Partitions, growth planning.
- Troubleshoot and resolved connectivity issues by configuring default gateway and network parameters for Oracle RAC and standalone database servers.
- Migrated Oracle ASM disk and LUNs from old SAN storage to new SAN environment using multipathing as redundancy techniques.
- **Oracle Web Logic Server** installation, configuration, and domain creation (Admin & Managed servers).
- Performed Web Logic clustering for scalability and failover across production environments.
- Oracle database on Windows, **Unix & Linux**
- Configured and managed oracle Linux network settings, including setting up default gateway, static routes and DNS resolution for database servers.
- Installed, configured, and administered **Oracle GoldenGate** for real-time data replication.
- Designed and implemented bidirectional and unidirectional replication setups to ensure data synchronization between production and standby systems.
- Implemented **DevOps** practices to automate database deployment, patching & backup activities across Oracle, SQL Server, environments.
- Developed and maintained CI/CD pipelines using Jenkins / GitLab CI / Azure DevOps for application and database deployments.
- Automated routine DBA operations using Shell scripting and Ansible.
- Implemented proactive alerting mechanisms using Enterprise Manager Cloud Control for early detection of critical database and infrastructure events.
- Extensive experience developing and testing security architectures of cloud-based systems.
- Developing various tables, indexes as per development requirement.
- Monitor Oracle Exadata Database Machine alerts created and configured new database instances, implemented RMAN-based backup and recovery strategies, and performed comprehensive database administration and performance tuning activities.
- Performed administration of **EMC Networker**, including integration with RMAN for Oracle backups, tape library management, and daily backup verification.
- Managing, motivating and mentoring global team members.

