



Mohamed Abou El Seod

ORACLE DATABASE ENGINEER
CLOUD | INFRASTRUCTURE | AUTOMATION & AI

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Career Overview

Oracle and PostgreSQL Database Engineer with enterprise experience in database administration, migrations, high availability, backup and recovery, performance, production releases and operational automation across on-premises and cloud environments.

Technical Expertise

DATABASE PLATFORMS	Oracle 11g–19c, RAC, ASM, Grid/CRS, CDB/PDB, SQL/PLSQL; PostgreSQL administration, deployments, releases, maintenance and performance.
RESILIENCE & RECOVERY	Data Guard, RMAN backup/restore/recovery, Oracle patching/upgrades, GoldenGate replication, database resilience and incident response.
CLOUD & MIGRATION	AWS and OCI, Base Database, Exadata; Oracle migrations with Data Pump, RMAN, GoldenGate and ZDM; readiness, validation and rollback.
AUTOMATION & AI	Linux, Bash, Python, Ansible AWX, Liquibase, OEM, Checkmk, AWR/ASH, Git, Docker, Proxmox; Langfuse, FastAPI, MongoDB.

Professional Experience

Cutagain | Oracle Database Engineer · Cloud & Migration

Jul 2026 – Present

Enterprise database and cloud assignments

- **Drive Oracle database modernization** and migration activities across on-premises, AWS and OCI platforms, covering source/target architecture, compatibility, provisioning and operational readiness.
- **Execute database migration and replication workflows** using Oracle Data Pump, RMAN and relevant GoldenGate/ZDM approaches, including planning, validation, recovery and rollback controls.
- **Manage database availability and resilience** across RAC, Grid Infrastructure, ASM, multitenant systems, storage, connectivity and high-availability configurations.
- **Lead hands-on troubleshooting and recovery** for complex database incidents, performance and capacity issues, cross-version transitions and service restoration, coordinating across technical teams.

Nexi through Broway AG | Oracle & PostgreSQL Database Administrator

Oct 2024 – Jul 2026

Enterprise financial technology assignment

- **Managed Oracle and PostgreSQL database operations** across production and non-production estates, including provisioning, releases, access governance, maintenance, data lifecycle/cleanup, performance, capacity, indexing and incident response.
- **Delivered Oracle maintenance and high availability** including patching, upgrades, Data Guard primary/standby configuration, RMAN backup and recovery, database provisioning and Data Pump operations.
- **Managed database releases and operational changes** using SQL/PLSQL, Liquibase, Ansible AWX and structured pre/post checks; resolved deployment issues and collaborated on incident and change management.
- **Improved AI-assisted database change assurance** through diagnostic SQL, AI guidance documentation, release validation and assessment of SQL scripts, rollback consistency and broader operational impact.

Selected Engineering Projects

DB-AI — AI DBA & Database Inventory

Python · FastAPI · MongoDB · Redis · AI agents • [View project](#)

Developing an AI-assisted CMDB for Oracle inventory and monitoring, with collectors, ingestion workers, diagnostic agents and dashboard integration.

Oracle Enterprise DBA Lab

RAC · ASM · Data Guard · GoldenGate · ZDM · RMAN • [View project](#)

Built a practical Oracle lab and runbooks covering RAC, Data Guard, RMAN and HA/recovery, plus GoldenGate replication and ZDM migration procedures and assessments.

PG-DN Scripts

PostgreSQL · SQL · GitHub Actions • [View project](#)

Maintain a library of 144 curated PostgreSQL scripts for administration, performance, backup inspection, access control, WAL, replication and operational triage.

NeroNet — Secure Overlay Mesh

Go · WireGuard · Node.js · React · PostgreSQL • [View project](#)

Developing mesh VPN nodes and an administrative control plane, including authorization policies, node management and documented connectivity tests; not yet production-ready.

Sovereign Homelab & Momo AI

Proxmox · Linux · VPN · backups · AI orchestration • [View project](#)

Build and document self-hosted services, private networking, identity, monitoring, restore procedures and a local/cloud AI assistant with guarded tool access.

M-DNVault — Secure Inventory

React · FastAPI · PostgreSQL · OpenBao • [View project](#)

Co-developed a database-asset and credentials-management solution with a colleague, contributing to the architecture and product direction; development attribution is shared.

M-E-Project

ERPNext · Frappe · MariaDB · Valkey • [Private repository](#)

Design and development of an ERP and operations platform, including order management, inventory workflows and integration testing with synthetic data.

Oracle Data Pump Pipeline

Jenkins · Groovy · OCI • [View project](#)

In-development Jenkins automation for Oracle export/import and environment refresh workflows with controlled parameters and safety checks.

Certifications & Education

EDB PostgreSQL Essentials v17 • 94/100 • July 2025

Oracle Database SQL / Certified Associate • 2025

University of Milan — La Statale • Computer Security & AI undergraduate studies (in progress)

ERP Developer Academy — Umana / Forma.Temp • SAP/ABAP & database integration • 240 hours, 2024

Languages

Italian — Native • Arabic — Native • English — Professional working proficiency