

Ahmed Mohammed Fakhr-aldin

(Database Administrator – Data& Performance Analyst)

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SUMMARY

Senior Oracle Database Administrator and Developer with 4+ years of IT operations experience, specializing in database management, development, and administration. Proficient in Oracle, SQL Server, and PostgreSQL, with a strong track record in database design, query optimization, and backup/recovery strategies to ensure high availability. Skilled in developing and maintaining database solutions that enhance business operations and comply with SLA/SLO targets. Adept at IT infrastructure optimization and supporting enterprise-level database environments.

Professional Experience

I- Caelum Group GmbH, Zamalek/Egypt 01/2025 – Current

Senior Database Developer and DBA

Responsibilities:

- Designed and developed database schemas, tables, views, and relationships for optimal data storage and retrieval.
- Created and optimized PL/SQL, T-SQL, and PL/pgSQL scripts for stored procedures, triggers, and functions.
- Developed PostgreSQL database objects, optimized query performance, and implemented replication strategies.
- Designed high-performance indexing strategies and implemented table partitioning for large datasets.
- Automated database tasks using scripting (Shell, PowerShell, Python) to improve efficiency.
- Built robust data pipelines and ETL workflows for seamless integration across multiple database platforms.
- Led the transition of on-premises databases to cloud-based solutions (AWS RDS, Azure SQL, PostgreSQL on Cloud).
- Collaborated with software development teams to enhance database-driven applications and improve query execution plans.
- Designed and enforced database security policies to ensure compliance with GDPR and industry standards.
- Provided technical mentorship, conducted code reviews, and trained junior DBAs and developers on best practices.

II- Huawei Company, Giza/Egypt

08/2020 – 12/2024

GNOC Software Backoffice -Infrastructure engineer

Projects: South Africa (TELKOM, Cell C, MTN) - KSA (Zain, STC) - UAE (DU)

Responsibilities:

- Managed IT infrastructure, automated provisioning, and ensured system security and compliance.
- Collected and analyzed IT metrics to improve system performance and reliability.
- Developed and maintained dashboards (Power BI, SSRS) for real-time monitoring.
- Conducted root cause analysis and implemented solutions to enhance service delivery.
- Designed and executed scripts for automated monitoring and data extraction.
- Defined KPIs, aligned performance tracking with SLA/SLO targets, and collaborated with cross-functional teams.
- Provided training on analytics tools and data interpretation.

Specialist Database Administrator (Team Leader)

Responsibilities:

- Installed, configured, and maintained SQL Server and Oracle databases across development, testing, and production environments.
- Led a team of DBAs, ensuring best practices, project alignment, and operational efficiency.
- Optimized database performance and implemented high-availability (HA) and disaster recovery solutions.

- Developed and optimized ETL processes for seamless data integration.
- Managed database migrations, including legacy upgrades and cloud transitions (Azure, SQL Server).
- Conducted security audits, compliance checks, and strategic planning for database architecture.
- Generated detailed reports (SQL, SSRS) to provide insights into database health and service delivery.
- Performed Oracle database patching, upgrades, and tuning to enhance performance and stability.
- Administered Oracle RAC and Data Guard configurations to ensure database availability and failover readiness.

TECHNICAL SKILLS

Database Expertise: SQL Server, Oracle (11g, 12c, 19c), PostgreSQL

Performance Analytics: Power BI, Tableau, SSRS, SolarWinds

Data Modeling: ERWin, Toad Data Modeler, SSDD, Visio (SQL Server Database Diagram)

Operating Systems: Windows Server, VMware, Linux, Ubuntu

Languages & Tools: SQL, T-SQL, PL/SQL; SQL Navigator, SQL Developer; HTML, JavaScript, Shell scripting

Cloud & Virtualization: Azure Services (PaaS, IaaS), AWS (EC2, S3, RDS, VPC)

ETL/Data Warehouse: SSIS/DTS, BCP, ODI

Reporting: SSRS (Enterprise Reporting, Oracle E-Business Suite)

Third Party Tools: SolarWinds, OpNet, RedGate, Idera

Domain/AD: Active Directory, DNS

Hardware/Storage: SAN, RAID, iSCSI

Ticketing Tools: BMC Footprint, ServiceNow, JIRA

Oracle Database Tools: RMAN, Oracle Data Guard, OEM, ASM, Data Pump, SQL*Loader, Database Configuration Assistant

Oracle Utilities: Golden Gate, Oracle Exadata, Oracle RAC, SQL Tuning Advisor, AWR, ADDM

PostgreSQL Tools & Utilities: pgAdmin, psql, PostGIS, and extension management

KEY ACHIEVEMENTS

- Spearheaded the migration of legacy Oracle databases to PostgreSQL, reducing licensing costs by 30%.
- Designed and optimized complex queries and stored procedures, improving database performance by 40%.
- Implemented database partitioning and indexing strategies, reducing query execution time by 60%.
- Led a multi-cloud database migration project (AWS RDS, Azure SQL), ensuring zero downtime.
- Automated backup, recovery, and monitoring scripts, increasing system reliability and reducing manual efforts.
- Developed an ETL pipeline for seamless data integration, reducing processing time by 50%.
- Improved database security by enforcing role-based access control (RBAC) and encryption policies.
- Optimized PostgreSQL replication strategies, ensuring high availability and disaster recovery compliance.

EUCATION

Bachelor's Degree in Science and Computer Engineering
 Alexandria Higher Institute of Engineering and Technology, Alexandria, Egypt **(2015-2020)**
Accumulative Grade: Very good **Graduation project Grade:** Distinct

LANGUAGE SKILLS

- Arabic Native Language -English Professional level