

FARAH AYARI MSEHLI

SOFTWARE ENGINNER & DATABASE ADMINISTRATOR

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Tunis,Tunisia

SUMMARY

Experienced Database Administrator with expertise in Oracle, PostgreSQL, and cloud databases. Skilled in database deployment, automation, performance optimization, security, and high availability across Azure, AWS, and Google Cloud.

SKILLS

- Database administration
- PostgreSQL management
- Cloud database deployment
- Database performance optimization
- Database security practices
- Backup and recovery
- Database troubleshooting
- Data modeling techniques
- Data warehousing solutions
- Automation solutions
- DevOps practices
- Cloud services
- Technical writing
- Data integration techniques

EXPERIENCES

Senior Database Administrator - PwC Technology Acceleration Center Tunisia

Feb 2026 - Current

- Design, deployment, and maintenance of highly available data platforms in cloud environments (Azure, AWS, and GCP).
- Optimized database performance for AI workloads through performance tuning, partitioning, storage management, and integration with artificial intelligence frameworks to enhance system responsiveness.
- Administration and operation of PostgreSQL, Supabase, and NoSQL databases on Kubernetes clusters using a GitOps approach.
- Automated deployments and operations using CI/CD pipelines (GitLab CI, ArgoCD) to streamline workflow.
- Implementation of security best practices, backup and recovery strategies, encryption, and data compliance.
- Providing technical guidance to project teams on selecting the most suitable database technologies for application requirements (relational, NoSQL, time-series, and graph databases).
- Contributing to the definition of DBA standards, data governance policies, and compliance requirements (GDPR).
- Conducting continuous technology watch on distributed architectures and innovative data management solutions.
- Developed documentation and promoted DBA best practices organization-wide to ensure consistency and knowledge sharing.
- Supporting development and operations teams throughout the entire application lifecycle (Build & Run).

Oracle Database Administrator - Atiijari Bank Tunisia

May 2025 - Jan 2026

- Managed Oracle database installations and configurations for banking applications.
- Monitored database performance and tuned accordingly.
- Monitored database performance and implemented optimization strategies for efficiency.
- Performed backup and recovery operations using RMAN utility.
- Performed regular backups and recovery procedures to ensure data integrity.
- Provided 24x7 on-call support for critical incidents related to databases.
- Deployed patches and upgrades on existing installations as per best practices guidelines.
- Provided support during system upgrades and migrations while minimizing downtime.
- Collaborated with development teams to support database design and implementation.
- Conducted troubleshooting to resolve database errors and connectivity issues.
- Maintained user access controls and security protocols for sensitive data protection.
- Documented procedures and updates to enhance team knowledge sharing practices.
- Installed and configured Oracle Database software, components, and tools.
- Developed scripts for automation of tasks with PL and SQL or shell scripting languages.
- Maintained working knowledge of programming languages and technical documentation.

Oracle Database Administrator - Oradist Tunisia

Dec 2023 - Apr 2025

- Installation and configuration of Oracle databases (9i, 10g, 11g, 12c, 18c, and 19c), including Oracle RAC (11g, 12c, and 19c).
- Designing and implementing backup and recovery strategies using RMAN and Oracle Data Pump (EXPDP).
- Configured and managed disaster recovery environments with Oracle Data Guard to ensure high availability and data protection.
- Upgrading single-instance Oracle databases using RMAN, Export/Import (Data Pump), and DBUA.
- Conducted database performance audits to diagnose issues and design performance optimization solutions, enhancing overall database efficiency.
- Automated database administration tasks through Shell scripting, streamlining physical and logical backups along with log file cleanup.
- Delivering training sessions and leading workshops on Oracle Database technologies, including Oracle Administration I, SQL, and PL/SQL.

Data Analyst Intern (Final-Year Internship) - Siryos Tunisia

Jan.2023 – Aug.2023

- Developed a Business Intelligence solution and forecasting models for the SAP Material Management (MM) module.
- Extracted, analyzed, and interpreted SAP data to support business decision-making.
- Designed and implemented ETL pipelines to collect, clean, transform, and prepare data for analysis.
- Built predictive models using machine learning techniques to improve demand forecasting and operational planning.
- Developed interactive dashboards and reports to visualize business insights and key performance indicators (KPIs).
- Technologies: SAP MM, SAP BI, SSIS, SSAS, Power BI, Python, Machine Learning.

Business Intelligence Engineer Intern - SFM Technologies Tunisia

June 2022 – Sept. 2022

- Designed and developed interactive Power BI dashboards to monitor energy consumption and support forecasting.
- Cleaned, transformed, and validated data to ensure accuracy, consistency, and reliability.
- Designed and implemented a data warehouse and OLAP cubes to enable multidimensional analysis.
- Developed ETL processes for data integration and reporting.
- Delivered dynamic dashboards and reports to provide actionable business insights.
- Technologies: SQL Server Management Studio (SSMS), SQL Server Integration Services (SSIS), SQL Server Analysis Services (SSAS), Power BI, SQL.

EDUCATION

Engineering Degree in Computer Science, November 2023
ESPRIT ,Tunis

Bachelor's in Computer Science, July 2020
University of science , Bizerte

Tunisian Baccalaureate in Computer Science, July 2017
Omar Kalcheni high school , Tunis

LANGUAGES

English , Advanced (C1)

French , Advanced (C1)

Arabic , Native