

Mohammadreza Lorestani

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Summary

Experienced Data Engineer and Data Analyst with over a decade of expertise in designing and implementing complex data workflows and ETL processes. Proven ability to enhance database performance, optimize data pipelines, and deliver high-quality solutions with a keen attention to detail. Passionate about cloud technologies and eager to tackle new challenges and explore innovative environments.

Skills

- SQL & PL/SQL
- Microsoft Power BI
- ETL
- Agile methodology
- Data Warehouse
- Python
- OLAP/ OLTP
- Apache Airflow
- Database Design
- Data Analysis
- Git

Professional Experience

Dotin Company (Providers of banking and insurance solution)

Apr 2022 – Present

Data Engineer

- **Data Warehouse Design:** Designing fact and dimension tables to represent transactional and descriptive data for analytical purposes, resulting in a 90% improvement in performance.
- **Utilized Apache Airflow for ETL Processes:** Designed and implemented complex data workflows, scheduled and monitored ETL tasks, automated data pipelines for efficient data ETL.
- **Python:** Designing and implementing complex workflows with Apache Airflow and utilizing key libraries such as pandas for data processing, numpy for numerical computations, and cx_Oracle for interacting with Oracle databases
- **Optimized Oracle Database Performance:** Managed and partitioned tables, optimized queries.
- **OLAP:** Refining OLAP queries to improve performance and reduce response time.
- **Agile:** Participated in Agile teams, utilized Scrum and Kanban for project management, focused on continuous improvement and timely delivery of features.
- **Git:** Utilized Git for version control, branch management, and collaborative development to streamline code changes and maintain project.

Emdad Khodro of Iran (Automobile Breakdown & Roadside Assistance)

Sep 2016 – Mar 2022

Data Analyst

- **SQL & PL/SQL:** Enhanced efficiency by saving 15% of colleagues' time through creation and modification of complex queries, views, functions, triggers, and stored procedures
- **Data Warehouse:** Developed and managed ETL processes for accurate and efficient data integration; ensured high data quality through rigorous validation, cleansing, and transformation procedures.
- **Microsoft POWER BI:** Designing essential dashboards using Microsoft Power BI significantly enhanced data visualization efficiency.
- **OLTP:** Optimized OLTP systems by implementing indexing strategies and query optimization techniques, achieving a 20% improvement in workload efficiency.

Education

B.Sc. in Software Engineering, Razi University of Kermanshah, Iran (2011)

Languages

- English
- Persian (Native)

Other Relevant Information

Tools: Jira, Gitlab, Bitbucket, Confluence, Jupyter lab, Visual Studio Code

Industry: Banking , Insurance, Sales, After-Sales service