Mohammadreza Lorestani

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Summary

I am a highly skilled database and data warehouse developer with over 10 years of experience in database design, architecture, and development, primarily utilizing PL/SQL, Python, and Power BI. My functional expertise encompasses a wide range of areas, including data modeling, ETL (Extract, Transform, Load) processes, data integration, and system performance optimization. I excel in designing efficient database schemas, developing robust data management solutions, performing complex query optimization, and creating insightful visualizations using Power BI. My leadership experience includes managing and mentoring teams, coordinating cross-functional projects, and enhancing decision-making processes through effective data warehousing solutions. My problem-solving abilities and analytical skills have consistently contributed to innovative solutions and improved operational efficiency.

FUNCTIONAL EXPERTISE

- **SQL & PL/SQL**
- **Microsoft Power BI**
- **ETL**
- **Data Warehouse**
- **Leadership and Team Management**
- **Python**
- **Online analytical processing (OLAP)**
- **Database Design**
- **Data Analysis**
- **Online Transaction Processing (OLTP)**
- **Agile methodology**
- **Git**

Professional Experience

Dotin Company (**Providers of banking and insurance solution**), Tehran, Iran

April 2022 – March 2024

❖ *Dotin is a software company in Iran with over 1500 employees, it has provided software infrastructure for banking and insurance operations to nine banks in Iran and four insurance companies.*

Technical Solution Developer (April 2023- March 2024)

✓ As a team leader in data warehousing for banking, I led a team of 6 members.

- **Leadership and Team Management:**
  - Achieved a 90% success rate in mentoring and guiding team members to meet project goals
  - Engineered and optimized ETL processes to enhance data flow efficiency, reducing data processing time by 35% and generating accurate insights by creating 15+ Facts and Dimensions tables.
  - Successfully managed the delivery of development projects across the application lifecycle, achieving a 95% on-time completion rate.
- **Data Warehouse:**
  - **Database Design:** Designing fact and dimension tables to represent transactional and descriptive data for analytical purposes, resulting in a 90% improvement in performance.
  - **Agile & Git**: Coached team members and clients on Agile processes and the effective use of Git for version control and collaboration, resulting in a 30% improvement in workflow efficiency.

Data warehouse developer (April 2022- March 2023)

✓ I served in the capacity of a data warehouse specialist in the insurance industry. I implemented the data warehouse and handled core table modifications by logging and applying changes.

- **Microsoft POWER BI:** Designing essential dashboards using Microsoft Power BI significantly enhanced data visualization efficiency.
- **Python:** Leveraging Python libraries like Pandas and NumPy to conduct thorough data analysis, manipulation, and exploration.
- **SQL & PL/SQL:**
  - Wrote and optimized complex SQL and PL/SQL queries for data analysis and reporting leading to a 30% improvement in performance

- **OLAP:** Refining OLAP queries to improve performance and reduce response time

Emdad Khodro of Iran (A professional automobile breakdown & roadside assistance activity), Tehran, Iran

September 2012 – March 2022

❖ *Emdad Khodro of Iran is the largest roadside assistance fleet in the Middle East with over 1200 employees. It provides emergency services to over 15 million vehicles at any point across Iran. It also sells membership cards.*

Data warehouse Developer (April 2016- March 2022)

✓ *I operated as a data warehouse specialist, engineering data warehouses, and configuring several Oracle jobs. I provided various reports to different departments within the organization using Oracle BI and Power BI.*

- **SQL & PL/SQL:**
    - Saving 15% of colleagues' time by creating and modifying complex SQL and PL/SQL queries, views, functions, triggers, and stored procedures.
- **Data Warehouse:**
    - Developing and managing ETL (Extract, Transform, Load) processes to ensure accurate and efficient data integration
    - Ensuring high data quality through validation, cleansing, and transformation processes

Database developer (September 2012- March 2016)

✓ *I was employed as a database designer for OLTP systems such as sales and after-sales service. By integrating a subsystem into the company's system, I freed up 11 employees who were then deployed to various departments such as call center, marketing, and sales.*

- **SQL & PL/SQL:**
    - Proficient in writing and optimizing SQL and PL/SQL code, including stored procedures, functions, packages, and triggers.
    - Automated database tasks and scheduled jobs using Oracle's DBMS_JOB, achieving a 60% increase in efficiency.
- **OLTP:**
    - Optimizing OLTP systems for performance, implementing indexing strategies, and applying query optimization techniques, resulting in a 20% improvement in workload efficiency.
    - Designing OLTP systems to support high-volume transaction processing, ensuring data integrity and consistency

EDUCATION

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

Languages

English
Persian (Native)

OTHER RELEVANT INFORMATION

Tools: Jira, Gitlab, Bitbucket, Confluence, Visual Studio Code
Industry: Banking , Insurance, Sales, After-Sales service