

Data Management Engineer

GitHub: <https://github.com/varino-alfried>

Dynamic Data Management Engineer with expertise in Informatica and big data technologies. CDMP® holder with a Proven track record in implementing and administering Informatica tools, optimizing ETL processes, enhancing data quality, and delivering actionable insights across Banking, Government, and Telecommunications sectors. Adept at leveraging cutting-edge technologies to drive efficient data management and strategic decision-making.

- **Informatica:** PowerCenter, Data Engineering, Cloud (iPaaS), IDQ, EDC, Axon, Power Exchange CDC.
- **Data Integration and Transformation:** Denodo, Alteryx, SSIS, AWS Glue.
- **Programming:** Advanced SQL, Python, Shell Programming, Java.
- **BI Tools:** Power BI, Tableau, SSAS, SSRS, matplotlib.
- **Big Data Development:** Spark, Kafka, Hive, Databricks.
- **DBMS:** Oracle, Microsoft SQL, PostgreSQL, Mongo DB.
- **Data Manipulation:** Pandas, NumPy.
- **Cloud Technologies:** AWS, Google BigQuery, Snowflake.
- **Orchestration tool:** Airflow
- **Version Control:** Git
- **Soft Skills:** Presentation, Clarity, Active Listening, Analytical Thinking, Problem Solving, Attention to detail, Interdepartmental Collaboration, Adaptability.

- **Data Management Engineer | BBI Consultancy (Egypt, KSA, and Dubai) |** Jun 2023 - Present
 - **Local Content & Government Procurement Authority LCGPA |** Data Quality Engineer
 - Reduced manual data quality interventions by designing and deploying a fully automated IDQ solution.
 - Streamlining data processing, developing Python scripts for writing to Kerberos-enabled HDFS.
 - Enhancing data accessibility, creating views on Denodo, and establishing connections to Power BI.
 - Analyzed data and created visualization dashboards using Power BI.
 - **Dubai Police |** Data Management Engineer
 - Developed and executed a comprehensive prerequisite checklist, reducing system setup time by 30% and minimizing post-installation issues.
 - Spearheaded end-to-end system implementation, including installation and prerequisite setup, ensuring 100% compliance with technical requirements.
 - Strengthened system security by integrating EDC with Axon and configuring LDAP.
 - Minimized data loss risks by implementing Python-based daily backup scripts.
 - Delivering comprehensive technical training sessions.
 - **Ooredoo Algeria, Djezzy Algeria, POCs, and NBE |** Informatica Administrator
 - Installing and troubleshooting Informatica Platform for EDC, IDQ, and Axon, optimizing data management processes
 - Migration from PowerCenter to Developer tool and overcoming all the migration limitations by redeveloping for the mappings.

- **Business Intelligence Training | ITI – Winter Training** | Jan 2023 (1 Month)
 - Sharpened SQL query skills by solving complex database challenges, improving query efficiency by 25%
 - Designed and implemented interactive dashboards using Power BI and Tableau, enhancing data visualization capabilities
 - Presented insights from dashboards to senior management, contributing to data-driven decision-making processes
- **Data Analysis Intern | Banque Misr** | Sep 2022 (1 Month)
 - Automated data collection process by developing a Web Scraping API, reducing manual data gathering time by 60%
 - Cleansed and analyzed large datasets, uncovering key insights that informed strategic banking initiatives
 - Created comprehensive Power BI dashboards, improving stakeholder understanding of market trends by 40%
- **ORACLE ERP SCM Intern | EVA Pharma** | Aug 2022 (1 Month)
 - Expanded business acumen by directly engaging with cross-functional teams in a pharmaceutical environment
 - Collaborated with business stakeholders to translate operational goals into actionable ERP system configurations

- **Major:** Information Systems
- **Minor:** Computer Science
- **GPA:** 3.67/4

- **SCD Type (1,2,3,6)** | Informatica Cloud
- **Incremental Loading of Data** | Informatica Cloud
- **Twitter Scrapping API** | Informatica Cloud
- **Analyze Education** | Alteryx, SSIS, and Power BI
- **ETL and Data Pipeline** | Airflow, Kafka, Bash shell script
- **TMDB Movies Data Analysis** | Python

References are available upon request.

- **Super Store Sales & Profit** | Tableau
 - **BBI E-Commerce Sales** | Power BI
 - **Adventure Works Sales** | Power BI
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Courses and Training:

- **CDMP® - Certified Data Management Professional** | Dec 2024
 - **Snowflake Data Warehousing Workshop** | Aug 2024
 - **Google Business Intelligence Professional Certificate** | Jun 2024
 - **Cloud Data Quality (CDQ) Implementation** | Mar 2024
 - **Intelligent Data Management Cloud (IDMC) Associate** | Dec 2023
 - **Implementation Advanced Topic: Secure Agent on Linux** | Nov 2023
 - **ETL and Data Pipelines with Shell, Airflow, and Kafka** | Oct 2023
 - **AWS Cloud Practitioner Essentials** | Aug 2023
 - **Google Data Analytics Professional Certificate** | Jun 2023
 - **Data Analysis Professional Track Udacity Nanodegree** | Jun 2023
 - **Oracle Cloud Infrastructure Foundations Associate** | Jun 2023
 - **Power BI – 365 Data Science** | May 2023
 - **Big Data Fundamentals with PySpark** | Mar 2023
 - **SQL for DATA SCIENCE** | Oct 2022
 - **Intermediate Python** | Aug 2021
 - **Data Analysis Challenger Track** | Jun 2021
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Extra-Curricular Activities:

- **Volunteer** | COP27 Sharm El Sheikh | Nov 2022
 - **Social Media Head** | Youth Lead Youth – Ministry of Youth and Sports | Aug 2022
 - **Volunteer** | Youth Lead Youth – Ministry of Youth and Sports | Aug 2021
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Languages:

- **Arabic** (Native)
- **English** (Fluent)
- **French** (Intermediate)