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Senior Data Engineer & DWH Architect (**7 years**) specialized in modernizing business-critical data warehouse systems in **insurance and finance**. Proven impact on core calculation and batch processes – cutting a financial full-load from **8 h to 3 min (99.4 %)** – with deep Data Vault 2.0 expertise and a focus on performant, auditable architectures.

Core Competencies

Core (daily, expert level): T-SQL, DAX, data warehouse architecture & design (Data Vault 2.0, Inmon, Kimball), dimensional & tabular modeling, ETL/ELT, performance tuning, SSAS, SSIS, Power BI

Data Platform & Cloud: Azure (Fabric, Synapse, ADF, Databricks, Lakehouse), Python (Pandas, Polars, FastAPI), PySpark, DBT, BML

Databases: SQL Server, Oracle (PL/SQL), PostgreSQL, MySQL, MongoDB, ClickHouse

DevOps & Tooling: Git (GitLab/GitHub), Azure DevOps, Terraform, Jenkins, Helm, Flyway, Qlik Replicate, Jira, Confluence

Additional: AWS (Redshift, Glue, Lambda, Athena, S3), GCP (BigQuery, Dataflow, Cloud Run), C#, Bash, Prometheus

Professional Experience

Senior DWH Developer · Swiss Life Germany | Hannover | Full-time | Apr 2024 – Present

- Deliver end-to-end integration of new data sources in **1–2 days** (incl. full testing) on a **fully metadata-driven DWH automation framework** that auto-generates database objects and SSIS packages via **BIML/BimlScript** – **1,200+ packages/tables** across a three-layer **Data Vault 2.0 architecture** (Stage → DWH-IL → DWH-DML).
- Re-engineered a **15-year-old, cursor-based commission/UDM calculation engine** into a hybrid, set-based approach with batch-wide caching, cutting total runtime from **90 min to 10 min (–88.9 %)** at 100 % cent-accurate parity with the legacy result.
- Designed and implemented a **bitmask architecture** for one of the most complex sales-partner business cases (application status), reducing its processing time from **30 min to 1 min (–96.7 %)** while sustainably simplifying status management.
- Re-engineered the nine-year-old financial-project architecture, reducing the full-load runtime from **8 h to 3 min (–99.38 %)** and accelerating 28 downstream processes.
- Ensured end-to-end Data Vault compliance of all generated objects via the **SQS data-quality framework** and cut its runtime from 4 h to 1:15 h (**+68.75 %**); the DWH serves as the central data source for numerous downstream departments and services (incl. sales-partner systems).

BI Developer · NewYorker | Braunschweig | Full-time | Aug 2022 – Mar 2024

- Eliminated data-storage bottlenecks and reclaimed **50 % server volume** through empty-file optimization and index rebuilds on tables with over one billion rows.
- Improved control efficiency **25 %** by building and operating a Power BI dashboard for business-process monitoring.

Senior BI Developer · Internet Rocket – Snapp! | Tehran | Full-time | Jun 2021 – Aug 2022

- Initiated and delivered a BI project (Baly!, Iraq) enabling over **50 stakeholders** across departments to monitor revenue, growth, and market share.
- Defined over **300 business-critical KPIs** with the marketing team; contributed to 100K+ rides and ~500K USD revenue within four months.

BI Consultant · KTE & Nikamooz | Tehran | 2019 – 2021

- Co-built an enterprise-wide **Kimball DWH** (team of 4) plus SSAS models and Power BI dashboards for insurance processes, improving data quality and accessibility by **30 %**.
- Centralized data sources in an **Inmon DWH**, improving online-banking reporting processes by up to **80 %**.

Education

B.Sc. Computer Science (Information Technology)

University of Tehran, 2015–2019

Leading university in Iran (QS Top University)

Certifications

- Certified Data Vault 2.0 Practitioner · DataVaultAlliance
- Certified Fabric Data Engineer Associate · Microsoft
- Mastering DAX · SQLBI · Version Control with Git · Accenture

Languages

- German – B2 (actively advancing to C1)
- English – full professional proficiency
- Persian – native