Data Engineer

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**Summary**

* **9 years of experience** with **Databases** and **ETL/ELT.**
* Expert in building scalable **cloud data pipelines** using **Azure Data Factory**, **AWS Glue,** and **T-SQL** / **SQL-Server performance tuning**.
* Skilled in **data architecture,** **Python,** and **Redshift**.
* Hands-on with serverless technologies **(Lambda, Athena, DynamoDB)**, dashboarding tools,and real-time monitoring and analytics (KQL, CloudWatch).
* Deep knowledge of **data modeling, database optimization**, and high-load SQL environments (on-prem, Azure, RDS).
* Led complex **data migrations** andbuilt enterprise-grade **DWH solutions** across global teams.
* Hands-on experience with **Git, Azure DevOps,** and **CI/CD**.
* Holds **Azure Database Administrator certification** and actively expanding expertise in Snowflake, DBT, and AWS.

**Experience**

2022 – Present **Data Engineer** **/ Application DBA / DataOps,** ONE BI

* Built and maintained scalable **Azure Data Factory pipelines** for robust **ETL/ELT** processes and data warehousing(**DWH**).
* **Data modeling**, integrity, and quality.
* Developed **AWS Glue** jobs and **Lambda functions (Python)** for serverless integration and automation; full utilization of Athena for processing.
* Designed and optimized **Visual Glue** and **PySpark Glue** jobs and **Snaplogic** pipelines for **Redshift** data integration**.**
* Improved data **workflows** and scalability using **SSIS/SSDT** and architectural enhancements.
* Created **KQL dashboards** from **Log Analytics streams** to monitor resource-heavy processes, user activity trends, execution counts, errors, and more. Achieved application-level insights.
* **Collaborated** with globally distributed teams to ensure alignment and effective delivery.
* Manage a high-load, transaction-intensive **Azure SQL Database** with advanced monitoring and performance tuning.
* Automate centralized data management using Elastic Jobs and Elastic Queries in **Azure SQL DB**.
* Enhance maintenance operations for **AWS RDS** (SQL Server), including a centralized monitoring solution for distributed Express editions reporting to a central RDS hub.
* Design and optimize **data models** and **architecture**, including clustered index conversions, data type tuning, and normalization.
* Lead **data migrations** and oversee the creation and maintenance of enterprise-scale data warehouses.
* Conduct **code reviews** and rewrites in collaboration with R&D teams.
* Conduct technical **training** sessions.
* Utilize **Git**, **Azure DevOps,** and **AWS CodeCommit** for full version control and **CI/CD pipeline builds**.

2020 – 2022 **Application DBA,** 6YA

* **Designed**, **developed,** and **optimized** SQL Server business logic application-layer with **T-SQL.**
* **Partnered with R&D** to translate product specs into scalable database solutions.
* Improved and automated **data flows** for web/mobile apps, Back Office (BO), and reporting.
* Enhanced **database performance** and implemented advanced deployment processes**.**
* Maintained production and development SQL Server environments.
* Delivered analytics and reporting via Mode; managed version control using TFS**.**

2019 – 2020 **Redshift & SQL Server Database Administrator**, RYLTECH LTD

* **Managed mission-critical SQL Server databases** for **200+ clients** across production and development environments.
* **Developed ETL** pipelines using SSIS for MSSQL, Redshift, and Cassandra.
* Programmed in **T-SQL** and **Redshift;** optimized SAP BASIS queries performance.
* Automated tasks with **PowerShell** and T-SQL.
* Handled **server settings**, **performance tuning**, **server migrations**, server upgrades, backups, recovery, and **disaster recovery** (mirroring, log shipping).
* Identified and resolved performance **bottlenecks** and code issues.

2015 – 2019 **DBA / Local Server Administrator**, INTL FCSTONE

* **Administered** and optimized **SQL Server** databases (2008–2016)
* Implemented Always-On clusters for **high availability** and **GDPR compliance.**
* Led privacy initiatives with **Row-Level Securit**y and **data cleansing.**
* Managed **Windows Server** environments (2008 R2–2016), supporting financial systems and ensuring infrastructure reliability.

**Education & Certifications**

2024 **Linux, AWS Serverless** – Glue, Lambda, Athena, DBT, Snowflake

2023 **DP-300 MS Certified: Azure Database Administrator Associate**

**Azure cloud, KQL, Data Factory, RDS for SQL Server**

2022 **Python**, BigQuery + Data Studio

2021 **Python**, PostgreSQL, Couchbase

2020 **Python, Data Platform Summit** participation

2017 **MS-20740** Installation, Storage, and Compute with Windows Server

2016 **MS-20741** Networking with Windows Server

2016 **MS-20742** Identity with Windows Server

2016 **MS-20461 Querying Microsoft SQL Server**

+ **MS MVA Training 8241** - Querying MS SQL Server 2012 Databases Jump Start

2016 **MS-20462 Administering Microsoft SQL Server Databases**

2003 - 2005, 2012 **Computer Science and Economics** coursework, The Open University of Israel.

**Military Service**

Serving in a military **engineer squad** for the Israeli Defense Forces. I received an acknowledgement of excellence from my department for a joint effort in 2000.

**Professional Skills**

**Languages & Querying:** Python, T-SQL (Expert), other SQL dialects, PowerShell, KQL, PySpark (Glue)

**Pipelines:** Azure Data Factory (ADF), AWS Glue (Visual & PySpark), SnapLogic, SSIS

**Serverless:** Lambda, Athena

**Databases:** Redshift, DynamoDB, RDS (SQL Server), SQL Server (2005–2025), Azure SQL Database

**Data handling:** Data modeling, indexing strategies, performance tuning, Elastic Jobs/Queries (Azure DB), migration: planning, SSDT, Data Privacy

**Version Control:** Git, Azure DevOps, AWS CodeCommit, TFS

**Monitoring & Analytics:** KQL Dashboards, Azure Log Analytics, CloudWatch, SolarWinds

**Languages**

**English** - Advanced I **Spanish** - Advanced I **Hebrew** - Native