

ROBERTO ALEJANDRO IGUARDIA ROSALES

Data Engineer · Integration Engineer · BI Developer

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PROFESSIONAL SUMMARY

Data Engineer with 2+ years of production experience building ETL pipelines, integrating enterprise ERPs (SAP Business One ↔ Odoo), and developing BI analytics on the Microsoft stack. Hands-on with SQL Server, SAP HANA, Power BI, DAX, Microsoft Fabric, and automation tools (N8N). Reduced SQL runtimes by 30–50% through pipeline optimization. English B2 — comfortable in technical environments. Open to remote and nearshore roles.

CORE COMPETENCIES

Data Engineering: ETL Pipelines · SSIS · Data Warehouse · Dimensional Modeling · SQL Server · SAP HANA · PostgreSQL · MySQL · Liquibase

BI & Analytics: Power BI · DAX · Microsoft Fabric (Warehouse / Lakehouse) · Streamlit · Copilot for Analytics

ERP Integration: SAP Business One · Odoo · REST APIs · XML-RPC · N8N · Workflow Automation

Programming: SQL · Python · C# · Java · PowerShell

DevOps & Tooling: Git · Liquibase · Database Administration · Backups · Performance Tuning · Monitoring

PROFESSIONAL EXPERIENCE

Data Engineer / Integration Engineer

2023 – Present

GRS — Data Science & BI Department · Guatemala

- **Designed and deployed ETL pipelines using SSIS** to integrate SAP Business One (HANA) data into SQL Server, building dimensional data models for enterprise analytics.
- **Reduced SQL execution times by 30–50%** through query optimization, indexing strategies, and incremental load patterns.
- **Developed Power BI dashboards** with optimized data models and DAX measures, serving operational and executive reporting needs.
- **Implemented Microsoft Fabric solutions** (Warehouse / Lakehouse) to modernize the analytics architecture and enable scalable lakehouse patterns.
- **Engineered SAP B1 ↔ Odoo bidirectional integration** via REST APIs and XML-RPC, orchestrated through N8N — eliminating manual data entry between ERPs and reducing reconciliation errors.
- **Administered production databases:** backups, performance tuning, monitoring, and critical incident resolution across SQL Server environments.
- **Introduced Liquibase** for database version control and structured deployment workflows.

Junior Developer / IT Support

2023

GRS — IT Department · Guatemala

- Resolved technical tickets across systems, databases, and infrastructure.
- Developed and maintained internal applications used across the organization.
- Managed access controls, user permissions, and software licenses.

KEY PROJECTS

SAP B1 ↔ Odoo Integration Platform

- Designed bidirectional ERP synchronization using REST APIs and XML-RPC.
- Built duplicate detection and validation layers to ensure data integrity across systems.

- Automated end-to-end flows in N8N, removing manual reconciliation work.

ETL Automation & Optimization

- Built incremental load pipelines with validation checkpoints.
- Reduced operational manual workload and improved data reliability for analytics consumers.

Database Version Control with Liquibase

- Structured schema versioning across environments.
- Improved deployment traceability and rollback safety.

BI & Analytics on Power BI / Microsoft Fabric

- Built dashboards with optimized DAX measures and dimensional models.
- Explored Lakehouse architectures and integrated Copilot for natural-language insights.

EDUCATION

Systems Engineering (in progress)

2024 – Present

Universidad Mariano Gálvez de Guatemala

Systems Engineering (partial studies)

2022 – 2023

Universidad Galileo

CERTIFICATIONS

- **Super User – SAP Business One** (SAP B1) · SAP, Official Certification

LANGUAGES

Spanish — Native

English — B2 (Upper Intermediate). Comfortable in technical discussions, code reviews, and written documentation.