

RAFAEL ANDRADE BORGES

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Data Engineer | Backend Engineer | SQL, ETL/ELT, APIs and Enterprise Integrations

PROFESSIONAL SUMMARY

Data and backend engineer with experience designing SQL-heavy data workflows, ETL/ELT pipelines, REST APIs, automation scripts and enterprise integrations. Strong background in SQL Server, MySQL, Oracle, Node.js, JavaScript and financial/accounting data environments. Practical experience mapping ERP schemas, building data extraction routines, optimizing stored procedures and supporting data governance across third-party systems. Interested in pragmatic AI-assisted engineering, automation and local analytics engines such as DuckDB.

TECHNICAL SKILLS

- **Data Engineering:** ETL/ELT, data pipelines, data modeling, data ingestion, data validation, data governance, batch processing.
- **Databases and SQL:** advanced SQL, query optimization, performance tuning, stored procedures, triggers, SQL Server, MySQL, Oracle, DuckDB.
- **Backend and Integrations:** Node.js, JavaScript, REST APIs, third-party integrations, API data extraction, automation scripts.
- **Cloud and DevOps:** Docker, Git, CI/CD concepts, AWS, Azure, hybrid infrastructure environments.
- **ERP and Business Systems:** SAP, TOTVS Protheus, MV, Omie, Tasy, Sienge, Sapiens.
- **Ways of Working:** technical documentation, client-facing technical alignment, troubleshooting, AI-assisted development.

PROFESSIONAL EXPERIENCE

Leverpro - Data & Backend Engineer

Oct 2022 - Present | Belo Horizonte, Brazil

- Designed and developed backend data workflows for a customer Data Hub focused on centralizing raw datasets and improving integration paths into the SaaS ecosystem.
- Built and maintained ETL/ELT routines with Node.js and advanced SQL to ingest, clean and transform financial and accounting datasets.
- Developed REST API integrations and server-side automation routines for third-party systems, with attention to data security, governance and operational reliability.
- Modeled databases, tuned SQL queries and optimized stored procedures and triggers across SQL Server, MySQL and Oracle environments.
- Worked with enterprise ERP data extraction and integration scenarios involving SAP, TOTVS Protheus, MV, Omie, Tasy, Sienge and Sapiens.
- Created and optimized accounting and financial SQL queries for reconciliation, reporting, auditing and decision-support use cases.
- Used Docker, Git and CI/CD practices in backend and data integration workflows across AWS/Azure hybrid environments.
- Applied AI-assisted engineering workflows to speed up script generation, query review, documentation and repetitive development tasks.

Selected impact

- Led the technical design of a unified customer Data Hub to reduce friction in data onboarding and pipeline ingestion.
- Refactored a critical stored procedure for financial entries, improving response time and reducing database workload.
- Automated data ingestion routines for external APIs and ERP sources, reducing manual operational effort and recurring failures.
- Expanded the integration ecosystem between the core platform and external ERPs, including Sienge, Omie and Protheus.
- Recognized with the area's Top Performance Award in 2023 for consistent delivery of high-impact technical solutions.

Leverpro - Data Analyst

May 2021 - Jul 2022 | Belo Horizonte, Brazil

- Developed financial and operational dashboards supported by optimized SQL queries and structured analytical datasets.
- Extracted, queried and audited raw data from ERP systems such as Protheus and SAP, supporting financial and accounting analysis.
- Mapped complex ERP database schemas for enterprise onboarding and participated in technical alignment meetings with internal and client teams.
- Maintained automated SQL processes for corporate clients, focusing on query tuning, bottleneck analysis and reliable data availability.
- Optimized repetitive SQL scripts and database tables used to feed business intelligence dashboards.

I4PRO - Junior SQL Developer

Jul 2022 - Sep 2022 | Brazil

- Built and maintained high-volume SQL Server processes and batch workloads for insurance-sector systems.
- Implemented and optimized stored procedures used in automated insurance policy generation workflows.

MaxCast - Technical Support & Systems Intern

Nov 2020 - Apr 2021 | Brazil

- Supported technical troubleshooting, system installation and custom configurations for client workloads.
- Investigated query performance and infrastructure parameters to improve system stability.

PROJECTS

JSON Tools - jsontools.site

Created and launched a browser-based tool for working with JSON payloads, including formatting, validation, inspection and SQL-based analysis. Integrated DuckDB WASM to let users upload JSON datasets and run analytical SQL directly in the browser without backend infrastructure.

EDUCATION

MBA in Software Engineering - Universidade de Sao Paulo (USP), In progress, expected 2027

B.S. in Information Systems - PUC Minas, completed 2024

Intensive English Program - Delfin English School, Ireland, completed May 2026

LANGUAGES AND CERTIFICATIONS

Portuguese: native | English: professional working proficiency
Preparing for Microsoft Certified: Azure Fundamentals (AZ-900)