Açaoy Saracchini

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Professional Profile

Strategic Senior Data Engineer with over 15 years of experience in architecting scalable data
systems, performance optimization, and cloud infrastructure. Proven track record of leading
technical roadmaps for large-scale data platforms at McKinsey and IBM. Expert in distributed
systems, Python-based automation, and cost-efficient cloud data modeling. Passionate about
building self-service frameworks and driving engineering excellence in high-leverage data
environments.

Technical Skills

- **Data Platforms:** AWS (Databricks, S3), GCP (Cloud Run, SQL, Storage), Azure SQL,
  PostgreSQL, Snowflake-equivalent optimization.
- **Engineering:** Python, SQL, PySpark, Django, SQLAlchemy, Pandas, T-SQL.
- **Infrastructure & DevOps:** GitHub Actions, Docker, PowerShell, Infrastructure as Code,
  CI/CD pipelines.
- **Architecture:** Data Modeling, ETL/ELT Frameworks, Performance Tuning, Scalability
  Analysis, Distributed Systems.

Professional Experience

McKinsey | *Data Engineer II* | 01/2024 – Current * **Platform Strategy:** Lead enhancements to the
PriceMetrix data platform, focusing on scalability and high-leverage architectural decisions to meet
terabyte-scale requirements. * **Engineering Excellence:** Develop high-quality Python/SQL code
for data infrastructure, ensuring strict adherence to performance and reliability standards. *
Infrastructure as Code: Collaborate with platform operations to automate deployments using
GitHub Actions, improving delivery speed and consistency. * **Technical Leadership:** Mentor team
members on best practices for performance tuning and cloud infrastructure optimization.

TVF Software | *Senior Data Engineer (Customer: Farmacias Ahumada)* | 06/2023 – 12/2023 *
Cloud Architecture: Architected real-time data ingestion pipelines using Python and Docker on
GCP Cloud Run for high-volume XML data conversion. * **System Integration:** Leveraged
SQLAlchemy and Pandas to bridge legacy Oracle systems with modern GCP-based cloud storage
solutions.

Forma.AI | *Senior Data Engineer* | 01/2022 – 06/2023 * **Distributed Systems:** Engineered
complex ELT/ETL processes using PySpark and Databricks on AWS Cloud to handle large-scale

business datasets. * **Performance Optimization:** Conducted deep-dive performance tuning on Postgres and SQL code, optimizing query execution for low-latency business logic. * **Stakeholder Influence:** Translated complex business requirements into technical solution designs, acting as a bridge between analytics and core engineering.

IBM Brazil | *Lead Data Engineer (Consultant at Itaú Bank)* | 10/2019 – 01/2022 * **Technical Leadership:** Headed the data engineering strategy for Brazil's largest bank, overseeing data modeling, infrastructure sizing, and reliability standards. * **Strategic Automation:** Developed Python-based automation frameworks to streamline ingestion and cleaning of batch-mode data, significantly reducing manual overhead.

Habib's Group | *Database Administrator* | 07/2019 – 10/2019 * Spearheaded migration of SQL Server instances to Azure and performed deep-dive troubleshooting for mission-critical production systems.

Randstad Brasil | *Database Consultant (Freelancer)* | 04/2019 – 06/2019 * Conducted performance audits to identify system bottlenecks and deployed technical solutions to stabilize the data environment.

Hyperativa | *Database Developer & Administrator* | 08/2018 – 07/2019 * Designed near real-time ETL processes using SSIS and established rigorous data quality standards for business reporting.

Estapar Estacionamentos | *Database Developer & Administrator* | 11/2013 – 12/2017 * Managed cloud migration from on-prem to Azure; developed complex integration systems resulting in 85% reduction in overtime costs.

Walmart Brasil | *Software Analyst & Database Developer* | 07/2008 – 10/2013 * Owned technical specifications and quality assurance for retail data integration projects across multi-departmental teams.

Tempo Participações S/A | *SQL Server Developer* | 08/2005 – 07/2008 * Developed core BI structures and database objects, maintaining a 15+ year career timeline in data engineering.

Education & Certifications

- **MBA in Software Engineering**, FIAP Brazil
- **Bachelor of Computer Information Systems**, FIT
- **Certifications:** GCP Professional Data Engineer, AWS Certified Big Data, Microsoft Azure Database Administrator Associate.