



Contact

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Languages

English: **bilingual level**

Spanish: **intermediate level**

Portuguese: **native level**

Polish: **basic level**

Tiago Henrique Ribeiro Ferreira

Over 12+ years of IT experience as a Data Engineer. I'm proactive, passionate about technology, love working with fully collaborative teams, and constantly updating myself with the most current tools.

Work Experiences

07.2021 – 12.2023 **[2 years 5 months]**

Data Engineer | Python | Power BI | Databricks | ADF | Luxoft Warsaw | Capmation United States

Responsibilities:

- Designed and developed data modeling and implementation of client-server applications & database administrator systems using MSSQL 2000 to 2022.
- Utilized Informatica, PowerBI, Outsystems, and Snowflake, with experience in migrating from AWS to Azure.
- Conducted data quality assessments, identifying anomalies, inconsistencies, and gaps using data profiling tools.
- Developed code for applications processing large datasets.
- Managed data lakehouse development, including operational tasks and improvements/expansions.
- Proficient in optimizing queries, identifying missing indexes, and SQL Server performance tuning.
- Integrated systems and data, built data flows, orchestrated tasks, and created streaming data pipelines.
- Designed DWH solutions (e.g., Star schema, Vault 2) and adjusted using Python, ETL, ELT, CI/CD.
- Extensive experience with Snowflake, SnowSQL, SnowPipe, and integration with AWS and Azure.
- Skilled in Docker and Terraform for containerization and infrastructure as code.
- Worked with Apache Airflow, Apache Kafka, and GitLab CI/CD for workflow orchestration and version control.
- Proficient in SQL, Scala/Python/Pyspark, and data integration techniques.

01.2013 – 07.2021 **[8 years 7 months.]**

Data Engineer | Python | Power BI | Databricks | Pentaho | RedSegSolutions

/ San Diego, California

Responsibilities:

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01.2004 – 01.2013 [9 years 1 month.]

Data Engineer | Python | Power BI | Pentaho | IT Manager
| Mya International | Emac | Engie | Portnet | Gtcon | RDR | Zethos | Brazil

Responsibilities:

- 10 years of progressive experience in Database Administration of large and complex databases in SQL Server 2008 R2, 2012, 2014, 2016, 2019.
- Expertise in Database Administration on Production Servers with server configuration, performance tuning, and maintenance with outstanding troubleshooting capabilities.
- I extensively worked on installing and configuring different versions of SQL server 2000, 2005, 2008 R2, 2012, 2014, 2016, and 2019 and updated it with the latest hotfixes and service packs.
- Experienced in dimensional modeling and deploying cubes using SSAS.
- Configured Always ON Availability groups across different data centers.
- Migrated the databases from SQL Server 2000 to 2005, 2005 to 2008 R2, 2008R2 to 2014, and 2016 to 2019.
- I worked extensively on SQL server Data and Backup compression, MERGE statement, TDE (Transparent Data Encryption), and Performance data monitoring.
- Implemented concepts like Data partitioning, Snapshot isolation, database mirroring, database snapshot, DDL triggers, try-catch blocks, Online indexing, DMVs, DMFs, Mail Setup, Jobs and Alerts, DTA, SQLCMD, Dedicated Admin Connection.
- I have hands-on experience in database mirroring with automatic and manual failover.
- Handling Memory configurations for SQL Server 2000, 2005, 2008R2, 2012, 2014 and 2016 on Windows 2000 | 2005 | 2008 | 2012 R2, 2016, 2019.
- Experience in Batch processes, Import, Export, Backup, Database Monitoring tools, and Application support.
- Experience in administrative activities comprising Performance Tuning, Query Optimization, Client/Server Connectivity, Database health Check, Indexing, and Updating Statistics.
- I extensively used native tools like Profiler, Perfmon, Activity Monitor, and Event Viewer for performance analysis.
- Create, manage, and modify logical and physical data models using a variety of data modeling philosophies and techniques, including Inmon or Kimball

Education

01.2006 – 12.2009 [4 year]

Padre de Man

Degree of Technology

Bachelor's Degree

Training, Courses, Certificates

All Courses and Certificates

Linkedin: <https://www.linkedin.com/in/tiagohrferreira/details/certifications/>