

YURI AMARAL

Data Engineer

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PROFESSIONAL SUMMARY

Experienced Data Engineer with expertise in developing large-scale data solutions using Microsoft Azure. Skilled in building data lakes and data warehouses from scratch following Medallion architecture and parameterized tables on Azure Blob Storage. Proficient in Azure Data Factory, Synapse, Databricks, and SQL Data Warehouse, with advanced skills in Python, PySpark, Scala, and Java. Adept at automating CI/CD pipelines with Azure DevOps and implementing streaming data solutions with CDC.

SKILLS & TOOLS

Programming Languages: Python, PySpark, Scala, Java

Data Tools: SQL, R, Tableau, Power BI

Cloud & Infrastructure: Azure Synapse, Azure Data Factory, Databricks, SQL Database, Blob Storage, PowerShell

DevOps & CI/CD: Azure DevOps, Git, Automated CI/CD Pipelines

Data Architecture: Data Lake creation, Data Warehousing (SQL DW), Medallion Architecture

Streaming Solutions: CDC (SQL Server, Data Factory), Databricks Autoloader with serverless clusters

Project Management Tools: Jira, Scrum

Languages: Portuguese (Native), English (Advanced), Spanish (Basic)

EDUCATION

Technologist in Data Science – Federal University of Mato Grosso do Sul (Jan 2022 – Dec 2024)

Technologist in Forensic Investigation and Criminal Expertise – Estácio (Jan 2020 – Aug 2023) IT

Technician – Federal Institute of Mato Grosso do Sul (2016 – 2019)

PROFESSIONAL EXPERIENCE

Agroline Produtos Agropecuários — Data Engineer Leader

May 2022 - Present | Campo Grande, Brazil

- Led a data engineering team to design and manage Azure-based solutions.
- Developed data pipelines with Databricks and Azure Data Factory using serverless architecture.
- Built data lakes and warehouses following Medallion architecture on Blob Storage.
- Automated deployments with CI/CD pipelines in Azure DevOps.
- Managed streaming data ingestion with CDC (SQL Server & Azure Data Factory).
- Automated infrastructure provisioning using PowerShell.

NTT Data Portugal — Data Engineer Consultant

Jan 2022 - Apr 2022 | Lisbon, Portugal

- Provided consulting services for SONAE using Azure Synapse, Event Hub, Python, and SSIS.
- Designed data models with SQL Server Analysis Services (SSAS) and Tabular Editor.

- Developed ETL pipelines with Azure Data Factory and optimized storage on Blob Storage.
- Managed CI/CD pipelines to ensure smooth operations and code quality.

UPBI Data Analytics — Data Engineer

Oct 2021 - May 2022 | São Paulo, Brazil

- Designed data pipelines with Azure Synapse, Data Factory, and Databricks.
- Created data lakes and warehouses using Medallion architecture on Blob Storage.
- Managed CI/CD pipelines and automated workflows using Azure DevOps.
- Implemented CDC pipelines for real-time ingestion from SQL Server to Azure.

Wiz Soluções — Data Engineer

Dec 2020 - May 2022 | Brasília, Brazil

- Developed data pipelines and marts with SSIS and Azure technologies.
- Managed Databricks environments for real-time analytics with Autoloader.
- Automated CI/CD pipelines and infrastructure with Azure DevOps.
- Maintained streaming data consistency with CDC from SQL Server.

Tellus Gestão da Informação — Data Engineer / Data Scientist

Sep 2020 - Dec 2020 | São Paulo, Brazil

- Created dashboards for internal and external clients using Tableau and Power BI.
- Integrated data from databases and APIs for analysis.
- Performed data cleaning, processing, and modeling to generate insights.
- Managed ETL processes with Tableau Prep and forecasted data with Einstein Analytics.
- Developed ingestion workflows using Azure Data Factory.

Unisys — Database Administrator

Feb 2020 - Sep 2020 | Campo Grande, Brazil

- Provided database administration for the Heineken project.
- Optimized SQL Server performance and coordinated cross-team issue resolution.
- Ensured data consistency and accessibility through query optimization.

Lionbridge — Search Engine Evaluator

Jan 2019 - Dec 2019 | Massachusetts, USA

- Evaluated search engine relevance for Google and Bing.
- Reviewed ads and multimedia content to improve search algorithms.
- Provided insights to optimize Google Ads and enhance user query relevance.

Brazilian Army — Technical Support Intern

Apr 2018 - Aug 2018 | Campo Grande, Brazil

- Provided technical support to the 5th Section Informatics.
- Assisted in developing a Java application for project control.
- Managed spreadsheets with data on Colonels of the Western Military Command.