

VINÍCIUS CARVALHO ROSA

Data Engineer

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PERSONAL PROFILE

I work as a Data Engineer, with 3 years of experience in the field. However, I also dabble in Front-end Development whenever needed. I'm passionate about delivering top-notch solutions and always eager to lend a hand to the team, whether it's crafting data pipelines or coding for the front-end.

My expertise lies in creating robust ETL (Extract, Transform, Load) pipelines and optimizing data processes. I am well-versed in utilizing a range of tools including Apache Spark, Python, SQL, Databricks, Data Factory, Data Lake, and Synapse Analytics.

EDUCATION

- Graduated in Systems Analysis and Development, Federal Institute of Education, Science, and Technology of São Paulo.
- **Extension Scholarship** - (Project name: Audiovisual scientific and cultural dissemination activities mediated via the internet) | 2020.
- **Scientific Initiation Scholarship PIBIFSP** - (Project name: Astrophysics and Computing: Interfaces and possibilities for Scientific Education) | 2021.

SKILLS

- Proficient in Microsoft Azure tools: Databricks, Datafactory, Synapse Analytics, Data Lake.
- Experience with Apache Spark, Python, SQL, React JS and Typescript.
- Solid experience in agile scrum methodology
- Strong problem-solving and analytical skills

EXPERIENCE PROFISSIONAL

- Network Technical Support Intern at Niponet Telecomunicações Ltda. | 2019.

Provided technical support to customers with Internet-related problems. Drawing on my knowledge of Internet networks, I helped customers troubleshoot and resolve their connectivity issues. My responsibilities included diagnosing network problems, providing guidance on router configurations and promptly resolving connectivity issues.

- Data Engineer at BlueShift Brasil Ltda | 2021 - 2024.

Client 4 - Bit Água Pedreira | December 2023 - February 2024

Description: I developed the front-end of an IoT solution for water management in Pedreira city, using ReactJS, TypeScript, Material UI. The project combines IoT and AI for intelligent water meter readings, predicting consumption and identifying leaks. We used Azure Custom Vision, Azure Open AI and Azure IoT Hub. Participation in an agile environment with Scrum methodology.

Client 3 - COMGÁS | May 2022 - December 2023

Description: Development of several pipelines using models in Databricks notebooks for data processing. Orchestrate pipelines in Azure Data Factory to move data from the raw layer to the trusted layer in Azure Data Lake and perform initial transformations such as deduplication and column transformations. Implementing additional calculations in the refined layer and storing data in Synapse, structured in fact and dimension tables. Participation in an agile environment with Scrum methodology.

Client 2 - Raízen POC | December 2022 - March 2023

Description: Creation of Python scripts to integrate real-time data from gas meter IoT devices with dashboards. Creation of Power BI dashboard to monitor fuel consumption. Setting up the Azure services environment using Terraform, including an Azure VM and a Docker container with SQL for data storage.

Client 1 - IoT Bit Saas | December 2021 - December 2022

Description: Development of the front-end of BIT SAAS IoT platform using ReactJS, TypeScript and Material UI. Backend integrations. Creation of layouts in Figma to ensure an intuitive user experience.

LANGUAGES

- Portuguese (native) | English (fluent)