Cairo Rocha

Artificial Intelligence (AI) Engineer

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About Me

I am Cairo, an accomplished AI Engineer dedicated to leveraging data to drive impactful decisions and innovative solutions. My expertise lies in constructing robust data architectures and seamless system integrations, utilizing state-of-the-art tools such as Apache Spark, Apache Airflow, and DBT across various cloud platforms.

With a focus on delivering reliable and accessible data, I build scalable data pipelines that empower organizations to make informed decisions based on data. Additionally, I develop cutting-edge virtual assistants using advanced language models and natural language processing techniques, enhancing user interaction and efficiency.

Skills

- - **Data Engineering**: Spark, Airflow, DBT, Airbyte, Python, SQL, Kafka, Great Expectations, DataHub
- - **Cloud & Infrastructure**: AWS (EC2, Lambda, ECS), Docker, Jenkins, Git, Datadog
- - **Databases**: PostgreSQL, MySQL, Oracle, Redshift, Databricks (Delta Lake), Athena, BigQuery
- - **Machine Learning & NLP**: Scikit-learn, NLP, LLMs, GPT APIs, LangChain, Chatbots, Langgraph, TensorFlow
- - **BI & Analytics**: Metabase, REST APIs, SharePoint API, Data Lineage, Data Quality, Dashboard Automation

Professional Experience

AI Engineer – SESAPI – February 2025 – Present

- I lead high-impact AI engineering projects, developing and deploying advanced NLP and LLM applications that effectively tackle real-world challenges. My work consistently exceeds expectations, and I specialize in creating and optimizing data pipelines with Spark and Airflow to ensure fluid data flow and accessibility.
- Notably, my chatbot development initiatives have resulted in a 60% increase in user satisfaction.

Data Engineer – DHAUZ – February 2024 – December 2024

- In this role, I designed and implemented efficient ETL pipelines that significantly enhanced the processing of large datasets
- I engineered secure integrations with SharePoint and Microsoft Graph, which substantially improved collaboration among teams, reflected in a 32% increase in collaboration efficiency.

Data Engineer – Vobys – April 2023 – March 2024

- At Vobys, I built comprehensive end-to-end ETL pipelines and deployed automated processes that led to an impressive 83% reduction in processing time
- I applied rigorous data governance and quality monitoring measures, which doubled data reliability and discoverability, achieving a remarkable 100% improvement. Additionally, my interactive dashboards empowered stakeholders with quick access to crucial business metrics, accelerating decision-making by 85%.

Education

- **- MBA in Software Engineering with AI** – Full Cycle (2025 - 2026)
- **- Master's in Artificial Intelligence** – UFRGS, Porto Alegre, RS, Brazil (2011–2013)
- **- Bachelor's in Computer Science** – UFPI, Teresina, PI, Brazil (2007–2010)

Certifications

- - AWS Certified Solutions Architect – Associate (2023)
- - AWS Certified Cloud Practitioner (2023)

Languages

- **- Portuguese**: Native
- **- English**: Proficient