

FÁBIO MESQUITA

GENERATIVE AI ENGINEER & DATA ENGINEER



CONTACT

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Porto, Penafiel

SKILLS

Programming

- Python, Java (Spring Boot), SQL, TypeScript

Data Engineering

- GCP (BigQuery, Composer), Data Modeling, Data Warehousing, ETL/ELT Pipelines, dbt

Generative AI & LLM Systems

- RAG Architectures, AI Agents, Multi-Agent Systems, Prompt Engineering, LLM Integration, Fine-Tuning, LangChain, LangGraph, LLM Orchestration, Knowledge Retrieval, Bedrock, SageMaker

Machine Learning

- Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation, Model Training Pipelines, Experimentation, Model Optimization

Cloud & Infrastructure

- GCP (BigQuery, Cloud Composer), AWS (Bedrock, SageMaker), Docker

LANGUAGES

- English (Fluent)
- Portuguese (Fluent)

PROFILE

AI & Data Engineer with 3+ years of experience designing intelligent systems and Generative AI applications on Google Cloud.

Specialized in building LLM-powered solutions, voice-enabled conversational AI, RAG architectures and multi-agent systems that automate complex workflows and improve user interactions.

Experienced in developing production-grade data platforms and AI infrastructure, bridging data engineering, machine learning and backend systems to deliver scalable AI-driven products.

WORK EXPERIENCE

Mindera

2023 - PRESENT

Data & GenAI Engineer

- Enabled data-driven decision making for finance and operations teams by designing and optimizing an internal Data Warehouse on GCP.
- Improved query performance and reduced infrastructure costs by re-architecting data warehouse layers and analytical data models.
- Built production-grade Python data pipelines, ensuring reliable and scalable data availability for business analytics.

AI & Intelligent Systems

- Built a voice-enabled AI conversational system for Connells that automated customer interaction workflows, using coordinated AI agents and prompt-driven reasoning to handle complex conversations and reduce manual support workload.
- Designed agent-based AI workflows to automate conversational tasks and internal knowledge retrieval.
- Led an internal AI upskilling initiative, enabling engineers to adopt LLM-based solutions across projects.
- Contributed to Mindera Clerk, an internal AI assistant supporting engineering productivity and operational workflows.

PROJECTS

CrohnMate - AI Health Tracking Platform

Designed an AI-powered health analytics platform integrating ML models and RAG-based LLM systems for contextual insights. Built and deployed using Python, Docker, and self-hosted infrastructure.

TransferHub - Football Transfer Intelligence Platform

Developed backend architecture and data workflows for a digital transfer platform used by football agents.

EDUCATION

BSc in Computer Engineering

2019 - 2022

Universidade Fernando Pessoa (UFP)

Postgraduate Program - cybersecurity

2022 - 2024

ISEP