Alison Felix

Cloud AI Engineer
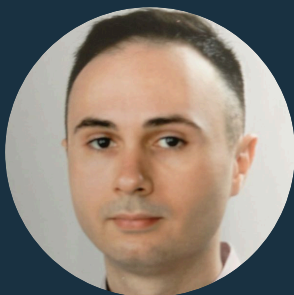
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📍 Porto, Portugal

🚩 Brazilian

in https://www.linkedin.com/in/alison-felix/

○ https://github.com/afelix-95

🎓 EDUCATION

Master of Engineering in Chemical Nanoengineering

Aix-Marseille University ↗

Marseille, France

Relevant coursework: Data Analysis, Scientific Computing, Applied Statistics.

📇 CERTIFICATIONS

Microsoft Azure AI Engineer Associate ↗
Credential ID: 8495CD2FB53F7C05

🌐 LANGUAGES

English — Native/Bilingual
Full working proficiency (C2)

Portuguese — Native/Bilingual
Native

📇 PROFILE

Cloud AI Engineer specializing in Azure AI and MLOps, building and scaling production-grade ML workflows and GenAI apps. At Microsoft, contributed 1,500+ commits to Microsoft Learn, resolving Azure AI Foundry/Azure ML/Azure Databricks content issues and accelerating releases.

Target roles: AI Engineer, ML Engineer, MLOps Engineer.
Strengths: LLM apps (RAG, LangChain, Semantic Kernel), CI/CD with GitHub Actions, and cross-team delivery.
Keywords: Azure ML, Azure OpenAI Service, RAG, LLMOps, MLOps, GitHub Actions, MLflow, IaC (Bicep/Terraform), Cognitive Search.

💼 PROFESSIONAL EXPERIENCE

Lab & Test Engineer (Contract)
Microsoft
03/2024 – 09/2025 | Porto, Portugal

- Designed and shipped 25+ AI/Data hands-on labs (Azure ML, Azure AI Foundry, Azure Databricks, Fabric) used by 20k+ learners.
- Resolved 200+ escalated content issues across AI and Data repositories; reduced learner-blocking incidents and improved release cadence.
- Built Python-based lab validation with pytest and GitHub Actions, catching defects pre-release and improving content quality.
- Top contributor to Microsoft Learn GitHub org (1,500+ contributions); led cross-team reviews to standardize templates and documentation.

Project Engineer
Nanores Ventures
02/2020 – 09/2023 | Wroclaw, Poland

- Implemented automation of data processing and report generation using Python libraries for services provided in the company's materials analysis lab; reduced orders' cycle-time by 20%.
- Provided technical training to interns and new full-time employees on materials analysis techniques and data processing; led 10+ training sessions.

🧠 SKILLS

Python: *PySpark, Boto3, Numpy, Pandas, Flask, SQLAlchemy, Azure SDK, OpenAI SDK*

AI Frameworks: TensorFlow, PyTorch, Scikit-learn, Hugging Face, LangChain, Semantic Kernel

SQL: *MySQL, SQL Server, SQLite, PostgreSQL*

Azure: Azure Databricks, AI Foundry, ML Studio, CosmosDB, Azure VM, Azure Functions, Azure Kubernetes, Azure DevOps

CLI: Powershell, Bash

AWS: Amazon S3, EC2, DynamoDB, Lambda

Data Analytics: Fabric, Power BI

Agile Methodology: *Scrum*

📁 PROJECTS

PSI-20 chatbot ⤴
GenAI chatbot with RAG and text-to-speech (TTS), deployed serverlessly on Azure Functions

This project demonstrates an end-to-end generative AI chatbot pipeline utilizing Retrieval-Augmented Generation (RAG) and text-to-speech (TTS) capabilities, deployed serverlessly on Azure Functions. The app acts as a "PSI 20 expert," using RAG on the companies' latest annual reports to answer questions about them. It leverages Azure AI Search for document retrieval, GPT-4o-mini-tts for generation and TTS, and FastAPI for API endpoints. The front-end provides a simple chat interface with TTS playback.

Review thermometer ⤴
End-to-End ML Model Deployment with Azure ML and GitHub Actions

This project is an end-to-end machine learning solution for sentiment analysis, utilizing natural language processing (NLP) techniques. The model is built, trained, and deployed on Azure ML, providing a deployed online endpoint for making predictions.