Alexandro **Tellez**

Python **Engineer**

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"Software development is not just a job; it is a passion that drives innovation".

Professional Summary

Python Engineer with hands-on experience in Python, FastAPI and relational databases such as PostgreSQL, MySQL and MongoDB, as well as NoSQL and vector databases like DynamoDB, RDS and OpenSearch.

- Experience in the design and implementation of **RESTful APIs**, authentication with **JWT**, and scalable architectures mainly following **Domain-Driven Design** (**DDD**).
- Proficient in **Generative AI and NLP**, working with **LangGraph**, **OpenAI models on Azure**, **BERT and ADA embeddings** to build intelligent AI pipelines and document processing solutions.
- **Knowledge of MLOps practices**: model versioning with **MLflow**, lifecycle monitoring, and unit testing with **Pytest**.
- Skilled in **containerization and deployment** with **Docker**, delivering production-ready solutions on **Render** and **Vercel**.
- Experienced in **version control and collaboration with Git and BitBucket**, applying **pre-commit hooks**, **Git best practices, SonarQube** and following **PEP8** standards for clean, maintainable code.
- Motivated by **continuous learning, process improvement, and AI-driven solutions** that add measurable business value.

Education

- **Higher degree** in Web Application Development (DAW).

- **English - British Council:** B2 Certificate.

Technical Competences

- Programming Languages:
Python (FastAPI), SQL, Bash.
- Backend / APIs:
FastAPI, REST APIs, JWT, Domain-Driven Design (DDD).
- Databases:
PostgreSQL, MySQL, MongoDB, DynamoDB, RDS, OpenSearch (Vector DB).
- AI / NLP / MLOps:
Generative AI (LangGraph, OpenAI models on Azure), NLP (BERT, OpenAI ADA embeddings), MLflow (model versioning), MLOps lifecycle, Pytest (unit testing), Bedrock, SageMaker, LangFuse.
- Cloud & Deployment:
Docker, Render, Vercel.
- Tools & Platforms:
Git, BitBucket, Pre-commit, Git best practices (branch conventions), SonarQube, VS Code.
- Good Practices:
PEP8, Clean Code, scalable architectures.

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Career Path

Davara & Davara – Python Engineer
(Mar 2025 – Jun 2025)

Responsibilities and achievements:

- Built a **multi-agent graph combined with RAG** for document generation and analysis.
- Implemented **authentication and access control** with **FastAPI** and **JWT**.
- Designed and developed **reusable components and scalable frameworks** following Domain-Driven Design (**DDD**).
- Collaborated on **backend development with FastAPI and MongoDB** for endpoint design and data modeling.
- Integrated **Generative AI** (**LangGraph**, **OpenAI models on Azure**) and **NLP** solutions (**BERT**, **ADA embeddings**) for intelligent document workflows.
- Applied **MLOps practices** with **MLflow** for model versioning, unit testing with **Pytest**, and lifecycle monitoring.
- Collaborated under **agile methodologies** with version control using **Git/GitHub** and **BitBucket**.
- Followed **Python best practices** (PEP8, pre-commit, branch naming conventions, SonarQube)
- Contributed to **LegalTech solutions** ensuring **RGPD and LOPDGDD compliance**.

Venechar Cocinas – Administrative Assistant & Data Analyst
 (Mar 2022 – Feb 2025)

Responsibilities and achievements:

- **Administrative support** for the production and orders department, ensuring efficient and organised workflows.
- Development of **interactive dashboards** and **automated reports** with **Power BI**, **Excel** (advanced) and **Power Query**.
- Monitoring and analysis of **key performance indicators (KPIs)** to support decision-making in operations and production.
- Implementation of **task automation** with digital tools and macros, reducing repetitive work and errors.
- **Data cleaning**, **structuring** and **analysis** of large administrative and operational datasets.
- Collaboration with **multidisciplinary teams** to align processes and optimise internal communication.

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Career Path

Private Clients – Python Engineer (Freelance)
(Sept 2023 – Jun 2024)

Responsibilities and achievements:

- Designed and implemented **RESTful APIs with FastAPI and JWT**, ensuring secure authentication and role-based access control.
- Developed **scalable backend architectures** following Domain-Driven Design (**DDD**), integrating relational (**PostgreSQL, MySQL**) and NoSQL databases (**MongoDB**, **DynamoDB**, **OpenSearch**).
- Applied **Generative AI solutions** using **LangGraph** and **OpenAI** models on **Azure**, with **NLP** integrations (**BERT**, **ADA embeddings**) for intelligent search and document processing.
- Adopted **MLOps practices**: model versioning with **MLflow**, **monitoring**, and automated testing with **Pytest**.
- Containerized and deployed solutions with **Docker**, ensuring consistent environments and scalability via **Render** and **Vercel**.
- Delivered clean and maintainable repositories with **Git/BitBucket**, applying **PEP8 standards**, **pre-commit hooks**, **Git best practices and SonarQube** for quality assurance.
- Collaborated directly with clients using **agile methodologies**, providing **scalable**, **production-ready Python solutions**.

Key projects delivered:

- *AI-Powered Document Analyzer* → Built with FastAPI, LangGraph and OpenAI embeddings (ADA), integrating RAG and vector search with OpenSearch for intelligent document classification and Q&A. **(6 months)**
- *Task Management API* → Backend-only solution with FastAPI, JWT authentication, PostgreSQL, and Dockerized deployment on Render and Vercel. **(3 months)**
- *NLP Chatbot for Legal Queries* → Integrated OpenAI models on Azure and BERT for intent recognition, with MongoDB for conversation history and MLflow for model lifecycle tracking. ***(4 months)***

Institute Dental Espinassi - Python Engineer (Freelance)
(Oct 2021 – Mar 2022)

Responsibilities and achievements:

- Developed **RESTful APIs** with **FastAPI** and **JWT**, integrated with **MySQL** for client data management.
- Built **responsive landing pages** with **React** to capture leads and support marketing campaigns.
- Ensured **secure data handling** and centralized storage of patient records under GDPR compliance.

Key projects delivered:

- *Patient Management API* → FastAPI + JWT authentication with MySQL, containerized with Docker. **(4 months)**
- *Dental Clinic Landing System* → React-based landing pages connected to a FastAPI backend for lead capture and reporting. **(2 months)**
- *Digital Records Centraliza*tion → Backend service with FastAPI and MySQL for secure storage and structured access to patient records. **(2 months)**

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Relevant Projects - Personal

Developer Portfolio *(React – FastAPI – PostgreSQL – OpenAI)*

Personal portfolio developed with React and TailwindCSS, integrated with a FastAPI + PostgreSQL backend. Includes a dynamic blog system and an AI-powered search bar using OpenAI embeddings to let recruiters query projects and skills semantically. Deployed with Docker, Render and Vercel.

TaskProX – Project and Task Manager *(FastAPI – MongoDB – React – LangGraph)*

Complete and responsive web application for collaborative project and task management. Includes JWT authentication, role-based permissions, calendar view, Kanban board, file upload, dark/light mode and an AI-powered chatbot assistant built with LangGraph+ OpenAI on Azure. Deployed with Docker, Render and Vercel.

AI Document Analyzer *(FastAPI – LangGraph– OpenSearch – MLflow)*

Retrieval-augmented generation (RAG) solution for document analysis and semantic search. Built with FastAPI and LangGraph, embeddings with OpenAI ADA, vector storage in OpenSearch and model versioning in MLflow. Deployed with Docker, Render and Vercel.

Languages

- **Spanish:** Native.
- **English:** B2 (Certificate) – Professional competence, with the ability to work in international environments.

Areas of Professional Interest

- Development of scalable and secure applications with **Python** (**FastAPI**), **REST APIs**, **JWT** and **DDD**.
- **Integration of databases** (PostgreSQL, MySQL, MongoDB, DynamoDB, OpenSearch) with clean, maintainable architectures.
- Application of **Generative AI & NLP** (LangGraph, OpenAI embeddings, BERT) and **MLOps practices** (MLflow, Pytest).
- **Containerization with Docker** and **deployment of production-ready solutions** on **Render and Vercel,** applying CI/CD best practices.