Pepe Ruiz

AI & Full Stack Developer

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Technologies

Frontend

React   Vite   HTML5   CSS3   JavaScript   Tailwind   Framer Motion   Shadcn UI

Backend

Node.js   Express   Django   FastAPI   Python   Sequelize   JWT   REST API

AI & Data Science

PyTorch   TensorFlow   spaCy   NLTK   LangChain   Pinecone   Hugging Face   LLMs APIs   Machine Learning   Scikit-Learn   XGBoost   Pandas   NumPy   Jupyter Notebook   VADER   Matplotlib   Seaborn   BeautifulSoup   Selenium

Databases

MySQL   PostgreSQL   MongoDB   SQLite   Supabase

Testing & DevOps

Git   GitHub   Docker   Azure   Postman   Vitest   Jest   Supertest   Pytest

Methodologies & Management

Scrum   Agile   Kanban   Trello   Jira

Design

Figma

Certifications

Data Science Fundamentals
Saturdays.AI | MAY 2025
View credential

Python Essentials 1
Cisco | MAR 2025
View credential

AI Fundamentals
IBM | FEB 2025
View credential

Languages

Spanish: Native

English: Professional

Profile

Full Stack Developer specialized in AI and **Data Science**. My professional journey began in **Audiovisual Communication** and **Branded Content**, where I acquired storytelling and creative thinking skills that I now apply to developing **intelligent digital solutions** focused on user experience. I specialize in creating **scalable web applications** that integrate **Machine Learning** and **Deep Learning**, using **React**, **FastAPI**, **PyTorch** and **LangChain** to transform complex data into actionable insights. My customer-facing experience has allowed me to develop strong **active listening**, **empathy** and **problem-solving** skills, qualities that complement my technical knowledge in **AI architectures** and enable me to create software that truly connects with end-user needs.

Experience

▶ **Full Stack & AI Web Developer**

Factoria F5 | JUN 2024 - PRESENT

Development of **full stack web applications** applying **Scrum** in collaborative environments. Specialization in **deep learning models** with **PyTorch**, **RAG** with **LangChain** and **sentiment analysis**. Implementation of **microservices architectures** with **Docker** and **Azure**, achieving accuracies above 95% in AI projects.

▶ **Optical Technician / Assistant Manager**

Óptica Universitaria & Soloptical | 2017 - 2024

Responsible for **team management** and **store operations**, developing **leadership** and **customer service** skills. Specialization in **personalized technical consulting**, **problem solving** and **process optimization**, skills transferable to user-centered software development.

Featured Projects

Orange Digital Center Manager ⬡   Full Stack

- Web application development to centralize and optimize enrollment management at Orange Digital Center
- Implementation of administrative panel with real-time statistics and downloadable report generation
- Scalable relational database management and UI design adapted to Orange style guide
- **Stack: React, Vite, Tailwind CSS, Node.js, Express, MySQL, Sequelize, JWT, Jest, Supertest**

FeelFlow AI ⬡   AI & Full Stack

- Hybrid AI engine with **BiLSTM** for sentiment analysis and detection of 12 types of toxicity on YouTube
- Custom **deep learning** architecture with **PyTorch** and **spaCy**, achieving **95.8%** F1-macro
- Interactive dashboard with advanced visualizations and ETL pipeline for massive comment processing
- **Stack: React, FastAPI, PyTorch, spaCy, VADER, Azure, Supabase, Docker**

Magic Post ⬡   AI & Full Stack

- Automated enterprise content generation platform with **RAG** and multiple LLMs
- Integration of **LangChain**, **Pinecone** and **LLaMA 3, Mistral, GPT-4** models for intelligent generation
- Multimodal system with image generation, financial analysis and multi-platform optimization
- **Stack: React, FastAPI, LangChain, Pinecone, Stability AI, Supabase, Docker**

Education

▶ **Artificial Intelligence and Data Science Bootcamp**

Factoria F5 | JAN 2025 - OCT 2025

Intensive **9-month program (1250 hours)** specialized in **AI and Data Science**. Development of competencies in **Python** (Pandas, NumPy, Jupyter Notebook), **Deep Learning** (PyTorch, spaCy), **Machine Learning** (Scikit-Learn, XGBoost), **EDA and visualization** techniques (Matplotlib, Seaborn), **backend** development (Django, FastAPI) and **web scraping** (BeautifulSoup, Selenium).

▶ **Full Stack Web Development Bootcamp**

Factoria F5 / Orange Foundation | 2024

Intensive **6-month program (850 hours)** in full stack web development with **React, Node.js, Express** technologies and **MySQL/MongoDB** databases. Specialization in **frontend** (HTML5, CSS3, JavaScript, React, Vite, Tailwind), **backend** (Node.js, Express, MySQL, Sequelize) and **testing** (Vitest) with **Scrum** methodologies.

▶ **Postgraduate in Branded Content and Transmedia Storytelling**

INESDI Digital Business School | 2017

▶ **Bachelor's Degree in Audiovisual Communication**

University of Málaga | 2014