

# Pepe Ruiz

## AI & Full Stack Developer



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### Technologies

#### Frontend

React Vite HTML5 CSS3

JavaScript Tailwind

Framer Motion

#### Backend

Node.js Express Django

FastAPI Python JWT

BeautifulSoup Selenium

#### AI & Data Science

Computer Vision PyTorch

LangChain Machine Learning

Deep Learning spaCy

OpenCV YOLO Scikit-Learn

XGBoost Pandas NumPy

Jupyter Notebook Pinecone

Hugging Face n8n

#### Databases

MySQL PostgreSQL

MongoDB SQLite Supabase

Redis

#### Testing & DevOps

Git GitHub Docker

Postman Jest Pytest

#### Methodologies

Scrum Agile Kanban

Trello Jira 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 specializing in building intelligent AI solutions.** I develop scalable web applications with **advanced AI**, focused on solving complex problems with a user-centered approach. My background in **Audiovisual Communication** and **customer service** brings **creative thinking, empathy, and teamwork skills** that, combined with **technical expertise in AI**, enable me to build software that addresses real needs.

### Experience

#### ▶ Full Stack Web Developer

*Fullcircle - Digital Experts / OCT 2025 - PRESENT*

Development of web functionalities with **React** and **Node.js** using **Git** for version control. Data exploration, cleaning, and transformation for migration and integration into enterprise systems.

#### ▶ Full Stack Web Developer & AI

*Factoria F5 / JUN 2024 - OCT 2025*

Development of full stack web applications using **agile methodologies** in collaborative teams. Building complete architectures with **React**, **Tailwind**, **Node.js/Express**, **FastAPI** and relational, **NoSQL**, and **vector databases**. Specialization in **Artificial Intelligence and Machine Learning**: **Computer Vision** models with **PyTorch** and **YOLO**, **RAG** systems with **LangChain** and **Pinecone** for content generation, development of **virtual agents**, and **Deep Learning** for natural language processing (NLP) with **spaCy**. Development of **ETL** pipelines, **web scraping**, testing, and containerization with **Docker**.

#### ▶ Optician / Assistant Manager

*Óptica Universitaria & Soloptical / JAN 2017 - MAY 2024*

Team and store operations management, developing **leadership, communication, and teamwork** skills. Experience in **customer service, problem-solving, and empathy**, transferable competencies to user-centered software development.

### Featured Projects

#### Shield AI

[AI & Full Stack](#)

- Anonymization system for secure LLM usage in enterprises, ensuring **GDPR** compliance
- Hybrid sensitive data detection with **NER (Transformers) + Regex** for Spanish patterns
- Temporary mappings in **Redis** with automatic TTL and **streaming** responses with real-time de-anonymization
- **Stack: FastAPI, Transformers, spaCy, Faker, Redis, Prometheus, Grafana, React, Docker**

#### LogoTracker Pro

[AI & Full Stack](#)

- AI platform for automatic logo detection in videos using specialized **YOLO11** models
- **Computer Vision** architecture with **PyTorch** and **OpenCV**, achieving **98%** precision and **93%** recall
- Automated pipeline from URL to metrics with video download and frame-by-frame analysis
- **Stack: YOLO11, OpenCV, PyTorch, FastAPI, React, PostgreSQL, Docker**

#### 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 F1-macro of **95.8%**
- Interactive dashboard with advanced visualizations and ETL pipeline for massive comment processing
- **Stack: React, FastAPI, PyTorch, spaCy, VADER, Supabase, Docker**

### Education

#### ▶ Artificial Intelligence and Data Science Bootcamp

*Factoria F5 / 2025*

Intensive **9-month program (1250 hours)** specialized in **AI and Data Science**.

#### ▶ Full Stack Web Development Bootcamp

*Factoria F5 / Fundación Orange / 2024*

Intensive **6-month program (850 hours)** in **Full Stack Web Development**.

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

*INESDI Digital Business School / 2017*

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

*Universidad de Málaga / 2014*