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`

Databases
`MySQL` `PostgreSQL` `MongoDB` `SQLite` `Supabase`

Testing & DevOps
`Git` `GitHub` `Docker` `Azure` `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 specialized in AI and **Data Science**. I specialize in building **scalable web applications** that integrate **Machine Learning**, **Computer Vision** and **data analysis**, using **React**, **FastAPI**, **PyTorch** and **Python** to transform complex data into actionable insights. My career started in **Audiovisual Communication** and **Branded Content**, where I developed **storytelling** and **creative thinking** skills that now bring a unique perspective to developing **user-focused digital solutions**. My experience working directly with customers has helped me develop strong **active listening**, **empathy** and **problem-solving** skills, qualities that complement my technical expertise in **AI architectures** and enable me to create software that truly meets end-user needs.

Experience

▶ **Full Stack Web Developer & AI**
Factoria F5 | JUN 2024 - OCT 2025

Development of **full stack web applications** applying **Scrum** in collaborative environments. Specialization in **Computer Vision** with **PyTorch**, **RAG** with **LangChain** and **deep learning models**. Implementation of **microservices architectures** with **Docker** and **Azure**, achieving precisions 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**, transferable competencies to user-centered software development.

Featured Projects

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, Azure, Supabase, Docker**

Magic Post ⭘   AI & Full Stack
- Platform for automated business content generation with **RAG** and multiple LLMs
- Integration of **LangChain**, **Pinecone** and models **LLaMA 3, Mistral, GPT** 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 **Computer Vision** (YOLO11, OpenCV), **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