

Pablo Fernández Lucas

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PROFESSIONAL PROFILE

Mathematician and statistician specializing in data analysis, AI engineering, and software development. Experienced in designing, developing, and deploying web and mobile applications with Flutter and PostgreSQL. Currently CTO at ISYFU, driving technology strategy, overseeing project management, and leading cross-functional teams. Passionate about continuous learning and pushing the boundaries of technological innovation.

EDUCATION

Complutense University of Madrid (UCM) 2024 - 2025

- Master's Degree in Big Data, Data Science & AI – Universidad Complutense of Madrid.

University of Extremadura (UEX) 2019 - 2024

- Bachelor's Degree in Mathematics – Universidad de Extremadura (2019–2023)
- Bachelor's Degree in Statistics – Universidad de Extremadura (2023–2024)

PROFESSIONAL EXPERIENCE

• Chief Technology Officer (CTO), ISYFU 2024 – Present

- Led the end-to-end technological development of a startup with more than 13.000 customers, managing strategic projects, coordinating a high-performing technical team, and mentoring interns.
- Designed and implemented scalable system architectures, leveraging cloud solutions such as Cloud Run and Edge Functions, and developing AI models for classification tasks to align with business goals and drive long-term growth.
- Automated processes with LLMs, API orchestration, and custom dashboards, boosting content creation speed by 70% and overall productivity by 65%.

• Software Developer, ISYFU 2023 – 2024

- Developed and deployed web and mobile applications using Flutter and PostgreSQL.
- Built and deployed APIs to enhance connectivity across the company's systems, boosting productivity by over 65%.
- Implemented a Retrieval-Augmented Generation (RAG) system using modern LLMs for a custom legal information chatbot, enabling customers to quickly access relevant law data.
- Created automation scripts in Python, Dart, and TypeScript to streamline processes and increase productivity.

• Private Tutor of Mathematics and Statistics 2019 – 2023

- Delivered one-to-one and group tuition to university students, adapting content to individual needs.

SKILLS

Technical Skills

- Programming & Databases: Python, R, Dart, TypeScript, Flutter, PostgreSQL, SQL
- Data Science & ML: pandas, scikit-learn, TensorFlow, data visualization (matplotlib, Tableau)
- Cloud & Big Data: Google Cloud Platform (GCP), Microsoft Azure, Databricks, scalable architectures
- Software Development: B2C product development, cross-platform apps, API design

Professional Skills

- Leadership & Management: team leadership, strategic project management
- Core Competencies: analytical thinking, problem-solving, continuous learning

LANGUAGES

- Spanish (native)
- English (professional proficiency)