

# PABLO GONZÁLEZ CARRIZO

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## LEAD SOFTWARE ENGINEER

Software Engineer with 7 years of experience specializing in back-end development and Artificial Intelligence. Proven ability to lead teams in building full-stack applications, designing distributed data pipelines, and deploying complex Machine Learning workflows. Experienced in mentoring junior developers and collaborating with executives to ensure alignment between technical solutions and business objectives.

## SKILLS

**Languages:** Python, Clojure, JavaScript, HTML/CSS, SQL  
**Frameworks:** Django (Django Rest Framework), Celery, FastAPI, VueJS, Pandas, Tensorflow, Scikit-Learn  
**Developer Tools:** AWS, Git, Docker, CI/CD, Github Actions, Emacs, Code Assistant LLMs  
**Management:** Agile/Scrum, Complex Problem Solving, Team Mentoring & Training

## WORK EXPERIENCE

- Kenmei, Spain | Back-end Tech Lead** Oct. 2024 – Present
- Led the development of a database-agnostic query builder.
- AccuShoot (BigML spin-off), US | Lead Software Engineer** Sep. 2021 – Oct. 2024
- Led the development of the core back-end architecture using Django, Celery, and Postgres to power all company products for shooters.
  - Designed the architecture for AccuShoot LFX, a gamified live-fire training system utilizing thermal cameras for real-time shot detection and scoring.
  - Developed a Computer Vision system to analyze shooters' body poses, enhancing performance insights.
- BigML, US | Full-Stack Engineer** Sep. 2018 – Oct. 2024
- Led the development of a full-stack framework used in over 10 internal and external distributed applications.
  - Contributed to the back-end of a Clojure-based distributed Machine Learning as a Service (MLaaS) platform and the Lisp-based domain-specific language, WhizzML.
  - Led and contributed to multiple projects involving the creation of Machine Learning-driven web applications.
  - Mentored junior developers, providing them with in-depth knowledge of distributed systems and Machine Learning principles.
- SolidQ, Spain | Data Platform Specialist** Jan. 2017 – Jul. 2017
- Automated several ETL tasks using SQL Server and SQL Server Integration Services

## EDUCATION

- Polytechnic University of Valencia** Valencia, Spain  
*Master's Degree in Telecommunications Engineering* 2017 - 2019
- University of Alicante** Alicante, Spain  
*Degree in Sound and Image in Telecommunications Engineering, Graduated with Honors* 2013-2017

## PROJECTS

- valencianow** | Python, Streamlit, Tinybird June 2024 – Present
- Developed a webapp that provides real-time traffic information about the city of Valencia: [valencianow.unmonoqueteclea.freemyip.com](https://valencianow.unmonoqueteclea.freemyip.com) (self-hosted)
  - Automated data collection and transformation pipelines for seamless and efficient data processing.
  - Utilized a column-oriented database to collect and manage large volumes of sensor data.
  - Open Source: Find the code at [github.com/unmonoqueteclea/valencianow](https://github.com/unmonoqueteclea/valencianow)
- voilib** | Python, FastAPI, SvelteJS, SQLite, Qdrant, Whisper, Docker Dec. 2022 – Present
- I am the founder and sole developer of [voilib.com](https://voilib.com), a search engine for podcasts.
  - Developed a system that collects, transcribes, indexes, and queries podcast episodes, enabling users to find the most relevant fragments based on their prompts.
  - Open Source: Find the code at [github.com/unmonoqueteclea/voilib](https://github.com/unmonoqueteclea/voilib)