

# Aitor Bazo

## Data Scientist / Analyst / Developer

aitor1717@gmail.com · Lima, Peru · Peruvian & EU citizenship

## Summary

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Data scientist, analyst, and developer with 10+ years of hands-on experience turning disorganized data into usable tools and insights, including independent ML/automation R&D projects, freelance analytics work, and a Google Advanced Data Analytics Certificate. Skilled at building dashboards, automating workflows, improving operational KPIs, and applying machine learning, with strong communication and collaboration skills.

## Experience

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### Consultant / Freelance | Remote

#### Independent Data Scientist & Analyst | 01/2012 – Present

- Built real-time data processing and AI-powered (Keras) decision systems for a long-term project applying machine learning and statistical analysis
- Automated workflows across multiple domains, including ML model monitoring, warehouse stock tracking, and payroll processing
- Built and maintained Python, Pandas, and NumPy pipelines automating large-scale (4M+ row) data management, signal detection, and performance optimization
- Trained classification models on severely imbalanced datasets (~400:1), achieving consistent anomaly detection
- Built dashboards to evaluate and monitor model predictions
- Integrated LLMs and NLP techniques to improve system performance and interpretability

### Multilingual | Lima, Peru

#### Operations Analyst | 09/2023 – 02/2024

- Automated data pipelines in Google Sheets, halving manual reporting time
- Supervised 24 interpreters across three continents, managing metrics and reporting KPIs to stakeholders
- Coordinated remote collaboration with cross-functional teams using Slack and Zoom

## Projects

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**canary-ml** • Python library that watches production ML models for drift and anomalies in real time, with no extra infrastructure to set up

**havoc-monkey** • PyPI open-source tool that deliberately breaks data pipelines to catch failures

**pau pau** • AI self-building command-line agent that writes, runs, and improves its own tools

## Skills

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Python, Agentic AI & LLM-Driven Automation, Pipeline Automation, Predictive Modeling, SQL, Pandas, API Integration, Tableau, Anomaly Detection, Google Sheets, Excel, Jupyter, NumPy, Git, Keras

## Education

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### Google

Advanced Data Analytics Certificate | 02/2025

### Universidad Peruana de Ciencias Aplicadas | Lima, Peru

BArch | 2023

### StackSkills

The Complete Python Course | 03/2017

### University of Cambridge

C1 Advanced Certificate in English | 12/2008

## Links

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Portfolio | GitHub | LinkedIn