

MARIO SORIANO BAÑULS

Computer Social Science MSc Student | Data, AI & Automation

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PROFILE

Computer Social Science master's student with a background in Sociology, Data Analytics and software development. Co-founder of an AI and automation startup with hands-on experience building data workflows, business software, APIs and AI-enabled automations. Strong practical experience with Python, SQL, R, FastAPI, REST APIs, n8n and LLM-assisted software development, with a focus on turning business processes into reliable technical solutions.

EXPERIENCE

Co-Founder & Software / Automation Developer

Babieca Tech | 2026 – Present

- Co-founded an AI and automation startup serving small businesses, combining software development, business process analysis, client communication, marketing and product delivery.
- Built an end-to-end operations platform for a fishing cofradía: delivery notes ingested from email, OCR extraction, cross-validation against each supplier's history, per-species margin control and a client portal — 12 admin routes, 11 portal routes, 57 components with 55 unit tests.
- Built and operate a suite of **10 automation products in production** — 71 admin dashboards, 26 client portals, 15 API endpoints, 23 database migrations, 159 automated tests and 8 CI pipelines.
- Built automation workflows with Python, n8n, REST APIs and Supabase, connecting website lead forms to automated processing, database storage and an internal monitoring dashboard.
- Developed customer-facing chatbots and voice agents using retrieval-augmented generation (RAG) over Supabase, and used LLMs for code generation, debugging, architecture exploration, testing, documentation and rapid prototyping.
- Automated a recurring 45-minute daily manual process so the workflow now requires review of the resulting information rather than manual processing.

Data Analyst

RockStar Data | Aug 2024 – Mar 2025

- Built ETL workflows integrating customer data from CRM, ERP and POS systems, with automated validation to improve reliability and reduce data-quality incidents.
- Defined, calculated and reported KPIs to support pricing and cost optimisation and improve client profitability.

EDUCATION

MSc Computer Social Science (CSS)

Linköpings universitet | Aug 2026 – Jun 2028

BSc Sociology

University of Alicante | Sep 2019 – Jun 2023

SELECTED PROJECTS

Production ETL & Data Quality

Python · SQL Server · GitHub Actions

- Developed production ETL/ELT workflows with automated validation and idempotent SQL Server loads.
- Implemented CI/CD quality gates and matrix testing with GitHub Actions.

SKILLS

Programming & Data

Python · SQL · R · Excel · SPSS

Backend & Engineering

FastAPI · REST APIs · Supabase · Databases · Git · GitHub · CI/CD · ETL/ELT

AI & Automation

LLMs · RAG · Vector search · n8n · Chatbots · Voice agents · AI-assisted development

Analytics

Statistical analysis · KPI analysis · Data validation · Business process analysis

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate · Oracle Data Platform 2025 Certified Foundations Associate · edX High-Dimensional Data Analysis · edX Big Data Analysis Tools

LANGUAGES

Spanish — Native · English — IELTS Academic C1