Sara Blanco Fuentes

Backend & Data Engineer

Barcelona, Spain · sbfuentesw@gmail.com · linkedin.com/in/sbfuentesw · sbfuentes.dev

SKILLS

Design: Domain-Driven Design (bounded contexts, aggregates, context maps) · Event-driven architecture · Clean / hexagonal architecture · Microservices · Multi-tenant authorization

Practices: Test-driven development · Spec-driven development with AI agents (Claude Code, multi-agent) · Infrastructure as code · Test automation

People: Technical support (incident triage, user and internal issues) · Customer-facing integrations (requirements, data exchange, onboarding) · People management

Stack:

Languages	Python, SQL
Backend	FastAPI, REST, GraphQL
AWS	Lambda, Batch, SQS, EventBridge, Aurora PostgreSQL, Athena
Platform	Terraform, Docker, GitLab CI/CD
Data	ETL pipelines, raster / satellite imagery
Testing	pytest, Robot Framework, Selenium, Appium

EXPERIENCE

Python Software Developer (Backend & Data) · Oct 2020 – Present

HEMAV — AgTech & Earth observation · Barcelona

- Designed a Python microservices platform (FastAPI, DDD, clean architecture) on AWS Lambda, including multi-tenant authorization.
- Built event-driven data products and their infrastructure as code (Terraform).
- Built satellite imagery pipelines and moved processing to batch at scale.
- Develop with AI agents from written specifications, with TDD and independent review.

Software QA Engineer · Mar 2019 – Oct 2020

HEMAV · Barcelona

- Designed integration, performance and end-to-end test suites.
- Automated regression runs in CI/CD.

Lab Assistant · 2018

Semillas Fitó

EDUCATION

BSc in Nanoscience and Nanotechnology — Universitat Autònoma de Barcelona (UAB) · 2015–2019

LANGUAGES

Spanish (native) · Catalan (advanced) · English (intermediate)