

Guillermo Albert García

Backend-first Full Stack Developer · Java / Spring / Angular

La Nucía, Alicante (Spain) · Hybrid / Remote · contact@guillermoalbert.dev · (+34) 640 347 624
guillermoalbert.dev/en · linkedin.com/in/guillermo-albert-garcia · github.com/GuillermoAlbert

Full Stack Developer with 2+ years of experience in international enterprise projects using Java, Spring and Angular. Beyond day-to-day work, I run a self-hosted infrastructure (Proxmox, 9 LXC containers) with ETL pipelines, automations and API integrations running in production. Problem-solver with a scientific background, native Spanish/French bilingual, C1 English.

WORK EXPERIENCE

Full Stack Developer — Inetum

Mar 2024 – Present

Alicante, Spain (Hybrid) · International team (~10 people) · Internship → permanent contract

Two platforms for the **France AgriMer** Ministry (French public sector) managing agricultural aid, subsidies and payments to farmers across France, moving millions of euros annually.

- **Legacy project (JSF / Java 8 / Oracle)**: evolutionary maintenance of a production application — refactoring of controllers and services, conditional JSF views, **10+ JasperReports templates** for official documents (2025/2026 campaigns), and **15+ corrective PL/SQL scripts** on live database (migrations, record unlocking, data cleanup).
- **New project (Angular / Spring / JPA / REST API)**: built complete *end-to-end* flows through go-live — **5 transactional entities** from DB to controller (entity, DTO, mapper, repository, service), complex business logic (algorithmic amount distribution, pre-settlement process), schema evolution with **Liquibase**, and **~10 Angular components and services** with state management and real-time calculations.
- Code quality as a continuous practice: sustained technical-debt cleanup with **SonarQube** (bugs, security vulnerabilities and code smells) to ensure quality on every delivery, plus unit test coverage with **JUnit** (backend) and Angular component tests.
- Version control with **Git/GitLab** in an international team following Agile methodology.

Science Teacher — Liceo Francés de Alicante

Sep 2023 – Sep 2024

- Taught sciences at A-level in a bilingual (French/Spanish) environment, alongside the start at Inetum.

PERSONAL PROJECTS & INFRASTRUCTURE

MAMS — My Athlete Monitoring System

2025 – Present

Sports load monitoring SaaS for semi-professional clubs and academies

- Backend-focused full stack architecture: **Spring Boot** (Java 21), **PostgreSQL**, authentication with **Spring Security + JWT**, multi-level permissions model and schema design with Liquibase. Custom design system and UI components (body map, player cards, dual colour scales) on a React frontend.
- REST API integration with Catapult Sports (GPS data) via incremental ETL pipeline with idempotent upserts.

Proxmox Home Server + Tailscale Network

2024 – Present

Self-hosted infrastructure · 9 LXC containers in production/dev · Proxmox VE, Docker, Tailscale, Debian/Ubuntu

- **Automated invoice pipeline** (Python, Gmail API, LLM, SQLite): downloads PDFs, extracts structured data via AI, outputs Excel with arithmetic validation and low-confidence row flagging. 77-test pytest suite; diagnosed and fixed a SQLite WAL bug in production.
- **GPS ETL: Catapult → PostgreSQL + Power BI** (Python, PostgreSQL 16, REST API): centralises data from 4 teams with upserts, Flask admin panel for config and historical backfills, read-only access via Tailscale for client Power BI.
- **Monitoring dashboard**: self-built web panel with real-time ETL status (log parsing), action buttons and alert bot. Proactively detected a stopped cron job in production.
- **Real incident management**: broken Docker network after unexpected host reboot, DNS false positives in AdGuard, NAT config with iptables. Encrypted backups to Google Drive with restic/rclone.

TECHNICAL SKILLS

Languages	Java, TypeScript, JavaScript, Python (scripting / ETL / automation), SQL, HTML, CSS
Backend	Spring (MVC, Boot), Spring Security (JWT), JPA/Hibernate, JSF, REST APIs
Frontend	Angular, TypeScript, HTML5, CSS3
Databases	PostgreSQL 16, Oracle, SQLite
Infrastructure	Proxmox VE, Docker/Compose, LXC, Linux (Debian/Ubuntu), Tailscale
Tools	Git, GitLab, Liquibase, JUnit, SonarQube, JasperReports, Agile

EDUCATION

Higher Technician in Web Application Development (DAW)

IES Mare Nostrum, Alicante · 2022–2024

MSc Biodiversity: Conservation and Evolution

Universitat de València · 2021–2022

MSc Secondary Education Teaching — Biology & Geology

Universidad de Alicante · 2020–2021

BSc Biology (High Academic Performance group, taught in

English · Erasmus: Univ. Helsinki)

Universidad de Alicante · 2016–2020

PUBLICATIONS

Santangeli, A., Chen, Y., Boorman, M., Sales Ligeró, S. & **Albert García, G.** (2022). Semi-automated detection of tagged animals from camera trap images using artificial intelligence. *Ibis*, 164(4), 1123–1131. doi:10.1111/ibi.13099

Aznar-Avendaño, F.J., **Albert-García, G.**, Barón-Rodríguez, P., et al. (2022). Teaching Parasitology in Biology Degrees: From Subjects to Principles. *INTED2022 Proceedings*, pp. 2481–2487. doi:10.21125/inted.2022.0726

Albert, G. & Arcos, J. (2015). Hormigas del Parque Natural de Serra Gelada y citas interesantes para la mirmecofauna alicantina (Hymenoptera, Formicidae). *Iberomyrmex*, 7, 3–6.

LANGUAGES & OTHER

Spanish — Native · **French** — Bilingual (Baccalauréat)

JSF 2.2 – Build a DB App (Udemy, 2024)

English — C1 (Cambridge First · degree taught in English)