

José Alberto Gómez García

Software Engineer and Full-Stack Developer • TypeScript/Node.js • AI/LLMs in production

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Summary

Software Engineer and full-stack developer with 3 years of fully remote experience building edtech SaaS for UK schools and educational institutions, handling especially sensitive student data (SEND). Backend-leaning, with equal care for UI and UX. Shipped LLM features to production in three products and works directly with clients.

Experience

Full-Stack Developer | Aircurry SL | Remote, Spain September 2023 – Present

Edtech SaaS for UK clients, working directly with clients and leading the technical delivery of LLM features.

Projects at Aircurry:

Graduated Provision – SEND management platform for UK schools April 2026 – Present

- Led the technical design and built about 80% of a SaaS platform for UK pupils with special educational needs (SEND).
- Built with TypeScript, Node.js (Hono), React (TanStack Router/Start, Vite), Astro, Drizzle and PostgreSQL, with extensive test coverage.
- Integrated LLMs via AWS Bedrock to suggest data and recommended SEND support actions and to generate reports and analysis, protecting the data with RBAC, audit logging and measures to preserve student anonymity and privacy.

CMS Migration – Umbraco to Drupal with Aircurry Connector November 2025 – March 2026

- Designed an end-to-end system to migrate and consolidate an edtech client's websites from Umbraco to Drupal.
- Reverse-engineered the source content and built ETL workflows in Python (pandas, scikit-learn) for data cleansing.

Aircurry Connector – ETL and data-integration platform April 2025 – October 2025

- Cut new data-integration development time by about 50% via a configuration-driven data-sourcing layer (PHP, Symfony).
- Increased processing throughput up to 8×, with near-linear scaling, by parallelising the data pipeline.
- Added AI-based information extraction and new external data-source integrations; contributed to a Next.js admin UI.

Powermark – AI exam grading used by 400+ UK schools January 2025 – March 2025

- Built about 90% of the initial product's backend (PHP, Symfony), grading exams with LLMs via OpenRouter and refining prompts for accuracy, which reduced manual review and kept operating costs in check.
- Designed a fault-tolerant architecture combining synchronous APIs with asynchronous batch processing via callbacks.
- Sustained 99.9%+ uptime through graceful degradation and automatic recovery.

Confidential project – Cryptocurrency platform MVP September 2024 – January 2025

- Built the Python (FastAPI) backend for wallets, blockchain networks and cryptography, and the Next.js frontend.

The Careers & Enterprise Company (CEC) Software Suite September 2023 – August 2024

- Delivered full-stack features (PHP, Symfony, JavaScript, Webpack) for an edtech platform used by hundreds of users and schools across the UK, working directly with the client to define features and improve performance.
- Built email automation and personalisation, an analytics module with interactive charts, and complex data migrations.

Projects

Master's Thesis: Deep Image Prior for Histological Image Deconvolution – University of Granada

- Applied Deep Image Prior (an untrained CNN as image prior) to histological image deconvolution. Graded 9.6/10. Code: github.com/modejota/BCD-Net-Deep-Image-Prior

Technical Skills

Languages: TypeScript, JavaScript, PHP, Python, SQL, Java

Backend: Node.js, Hono, NestJS, Symfony, FastAPI, Django, REST APIs, Better Auth

Frontend: React, Next.js, TanStack Router/Start, Zustand, Vite, Astro, Tailwind CSS, Webpack

Data: PostgreSQL, MySQL, Drizzle ORM, Doctrine, ETL, pandas, scikit-learn

AI in production: LLMs via AWS Bedrock and OpenRouter, prompt engineering, AI-based information extraction

Quality and DevOps: Docker, GitHub Actions (CI/CD), Vitest, Playwright, automated testing, RBAC, audit logging, Scrum

Education

Master's Degree in Computer Engineering – University of Granada 2022 – 2024

- Best Academic Record Award (class of 2023–2024), average grade 92/100.

Bachelor's Degree in Computer Engineering (Information Technology) – University of Granada 2018 – 2022

- Average grade 86/100, with Highest Distinction (top grade) in 14 courses.

Certifications and Languages

Certification: Cambridge English: B2 First (FCE) • **Languages:** Spanish (native), English (B2)