



Enrique Martínez

Software Engineer

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🐙 [emartinez-dev](#)

in [francisco-enrique-martinez](#)

Full-stack engineer with 2 years of experience building mission-critical systems for European space launches (ESA/CNES) in a heavily regulated environment. I design Django backends, real-time dashboards, and end-to-end testing pipelines. Strong background in Python, Vue, and cloud-native architectures. Self-taught through 42 School after transitioning from a business career.

Professional Experience

- Feb 2024 – Present **Software Engineer**, *GTD Space*, Barcelona, Spain
- Architected **Django/Celery/Redis** backend services for a Git-like **MongoDB versioning system**.
 - Built a schema-driven **Vue 3 component library** that auto-generates forms from **OpenAPI specs**, cutting UI development time.
 - Streamed time & event packets through a Kafka-WebSocket bridge to a **mission-timeline canvas** running at 60 FPS with 500+ concurrent elements.
 - Authored and maintained **50+ Cypress/Cucumber E2E tests** and integrated them into GitLab CI so every merge request runs the full test suite automatically.
 - Mentored two junior developers and led code-quality initiatives (Tailwind migration, ESLint/Prettier, 70% SonarQube reduction).
- 2020 – 2023 **Marketing & Business Analyst**, *Te Blogueo*, Córdoba, Spain
- Transitioned to software development during this period through self-study and 42 Málaga's intensive program.

Education

- 2024 – Present **IT Architecture Expert (RNCP Level 7)**, *42 Paris*, France
- AI & Data specialization. Master's-equivalent certification in progress.
- 2022 – 2024 **Software Engineering Program**, *42 Málaga*, Spain
- Peer-to-peer, project-based curriculum. 30+ projects in C, networks, Docker, and full-stack development.
- 2016 – 2020 **Bachelor's in Business Management**, *University of Córdoba*, Spain

Projects

- renfe-bot** Telegram bot + web scraper for finding sold-out train tickets. Python, Docker. Open-source with 25+ stars.
- WebServ** HTTP/1.1 web server built from scratch in C++98. Handles concurrent connections, CGI, and static files.
- Homelab Infrastructure** Personal Kubernetes cluster (K3s) with GitOps (Flux), Traefik ingress, and Tailscale mesh networking.

Technical Skills

- Backend Python, Django, FastAPI, Celery, Redis, PostgreSQL, MongoDB.
- Frontend Vue.js, TypeScript, JavaScript, Tailwind CSS, Cypress.
- DevOps & Infra Docker, Kubernetes (K3s), GitLab CI/CD, Ansible, Linux (RHEL), Git.
- Other C/C++, Bash, Microservices, RESTful APIs, Agile/Scrum.

Other

- Languages Spanish (Native), English (Fluent), French (Basic).
- Interests Distributed Systems, AI, Audio Programming & DSP, Embedded Systems.