

Mario Hernández.

Full Stack Developer — Java · Spring Boot · React · Next.js



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01. experience [2]

Full Stack Developer @ DanoGlez Studio

Mar — May 2026

Internship · Spain

Java 21 / Spring Boot 4 / React Native / Expo / Redis / Twilio / AWS SNS / Vonage / Firebase / Docker

- **Build a full-stack social mobile app** with React Native/Expo and Spring Boot 4 on Java 21.
- **Passwordless OTP authentication** over SMS, WhatsApp and voice through Twilio, AWS SNS and Vonage, with automatic provider fallback, three-level rate limiting and JWT with silent refresh.
- **Gamification** (streaks, hearts, levels, coins) driven by scheduled tasks, plus Firebase push notifications, transactional email and QR codes with ZXing.
- **Containerised the stack** with Docker Compose (Spring Boot + Redis), with separate dev and production profiles.

Backend Developer @ DST Factory

Feb — Mar 2026

Internship · Spain

Java / Spring Boot / JPA / Hibernate / Scrum

- **REST API endpoints** in Spring Boot for four data models, with request validation and error handling.
- **JPA/Hibernate queries** that removed redundant database calls across three service layers.
- **Six-person agile team** on two-week sprints, taking part in dailies and code review.

02. projects [4]

MiCultura

May 2026

SPA centralising the cultural calendar of Tenerife, on a REST API built for it.

Next.js 16 / React 19 / TypeScript / Tailwind 4 / GSAP / React Leaflet / FullCalendar

- **JWT auth with refresh-token rotation** in an HttpOnly cookie, and Edge-runtime middleware guarding private routes.
- **Clustered map and calendar views**, plus a neo-brutalist design system of my own.

MOSIR

Mar 2026

Interactive 3D globe of the eight languages I speak, marked on the cities they come from.

Three.js / WebGL / GLSL

- **GeoJSON rasterised into textures** in the browser, country hover through a hidden colour map, and lighting driven by the real sun position, computed from the subsolar point.

Skyabove

Mar 2026

Real-time aviation dashboard consuming a public air-traffic API.

JavaScript / GSAP / REST API

- **Live active flights** with animation synchronised to real-time position updates.

Portfolio

Oct 2025 — now

Personal site built as a shop window for my work.

Next.js 16 / React 19 / GSAP / Lenis / CSS Modules

- **Custom mix-blend-mode cursor**, horizontal-scroll gallery with GSAP + ScrollTrigger, Lenis smooth scrolling and a parallax video piece made in TouchDesigner.

~/about [2]

Full stack developer building **Spring Boot** backends and **React / Next.js** front-ends, with a soft spot for **3D and motion** on the web. Open to relocating anywhere in Europe.

~/stack [2]

languages

Java · TypeScript · JavaScript · C# · SQL · HTML5 & CSS3

backend

Spring Boot · .NET · Node.js · REST & JWT · MySQL · PostgreSQL · LLM APIs

frontend

React · Next.js · Tailwind CSS · Accessibility · Performance & SEO

devops

Docker · Linux · Git · CI/CD

creative

Three.js & WebGL · GSAP · Figma

~/languages [2]

Portuguese
native

Spanish
native

English
C2

Italian
C2

Catalan
fluent

French
fluent

Norwegian
conversational

American Sign Language
conversational

~/education [2]

Higher Vocational Diploma in Web Application Development (DAW)

CIFP César Manrique

Sep 2024 — Jun 2026