

Profile

Backend Software Engineer with 2.5+ years building real-time distributed systems and microservices in production. Solid foundation in Java, Spring Boot, containerisation, CI/CD and both SQL and NoSQL data stores. Track record of taking ownership beyond assigned scope — from architectural improvements to company-wide infrastructure.

Work Experience

Software Developer

The Reuse Company · UC3M

March 2026 - July 2026
Madrid, Spain

Developing production-grade software in direct collaboration with industry partners as part of the MSc programme, covering the full development lifecycle — design, implementation, testing, and deployment — within an Agile team.

React/NextJSASP.NETSQLHocusPocusSysMLv2Agile

Full-Stack Developer

Axion · Telecommunications

2023 – 2025
Spain

Joined a 3-person team to rebuild from scratch a nationwide real-time monitoring platform for broadcast infrastructure — a project that had failed over 1.5 years of prior attempts. Delivered in 6 months; adopted by 30–50 operations users, after all previous versions had been rejected.

- Performance:** Identified CouchDB (NoSQL) bottleneck, introduced **Redis Stack** as caching layer (validated via POC), reducing load times **50–60%** (10–11s → 4–5s). Also enabled HTTP compression at zero infrastructure cost.
- CI/CD:** Built GitLab CI/CD pipeline from scratch on own initiative, cutting deployment time from **5–8h to 40–60 min** (85%+ reduction), with automated test suites catching real production bugs before release.
- Auth microservice:** Expanded an assigned login module into a centralised authentication microservice for the entire organisation, serving **hundreds of users** across multiple applications — an example of event-driven, decoupled service design.
- Map component:** Designed Angular + Leaflet interactive map handling thousands of real-time assets with non-trivial lifecycle management.
- Mentoring:** Onboarded an intern, building reusable backend and frontend project templates with pre-configured security layers and CI/CD integration.

JavaSpring BootDockerRedis StackCouchDBPostgreSQLGitLab CI/CDMicroservicesREST APILinux

Education

MSc in Computer Science and Technology

Universidad Carlos III de Madrid

2025-2026
Madrid, Spain

BSc in Software Engineering

Universidad de Sevilla

2020 – 2025
Seville, Spain

Technical Skills

Backend

Java · Spring Boot · NestJS · REST APIs · Microservices · Event-driven

Data & Infra

PostgreSQL · MySQL · Redis Stack · CouchDB · Docker · GitLab CI/CD · Linux

Other

Angular · React/Next.js · Python · JavaScript/TypeScript · Automated testing · Agile

Languages

Spanish Native

English Advanced — B2 First (FCE), Cambridge Assessment English, June 2023