

Gabriel Sánchez Micó

Backend Java Developer | Software Engineer

Valencia, Spain · +34 687 800 840 · jgabrielsanmi@gmail.com

LinkedIn: linkedin.com/in/gabriel-sanchez-mico · GitHub: github.com/jgabrielsanmi

Hybrid in Valencia or remote (Spain/EU, European time zones) · EU work authorization

SUMMARY

Backend Java developer with 5+ years building enterprise and public-sector applications with Java, Spring, REST APIs and Oracle. I tend to end up owning performance, integration and legacy-code problems. On my current project I joined as a junior and now make most of the technical decisions: I cut a traceability query from about 60 minutes to 30 seconds and recurring incidents from about 10 a week to 3 a month. Around 70% backend, with Angular and NestJS when the project needs it.

EXPERIENCE

Software Engineer — Nunegal Consulting

June 2023 – Present · Remote

Client project (confidential): blockchain-based ERP and traceability platform for the industrial sector, used by companies and Spanish public administrations.

- Joined as a junior developer and within a year became the project's technical reference in teams of 2 to 6 developers. I design features, handle production incidents and make around 60% of the technical decisions.
- Cut a blockchain graph traceability query from ~60 minutes (timing out in production) to ~30 seconds over three releases, using parallel Java Streams, multithreading on Tomcat 9, reuse of already-resolved nodes and modular loading with progressive results. The timeouts had been blocking certificate generation and public grant applications.
- Designed from scratch a REST API with 50+ endpoints for desktop and Android/iOS clients: Java 11, Spring MVC 5.3, Spring Security, OAuth2, OpenAPI, Jackson, JPA/DAO and Oracle 12c.
- Built from scratch the web application's authentication against the client's LDAP, with Spanish national eID (DNle) and digital certificate validation.
- Co-designed an Oracle 12c cache for immutable data published on the blockchain. The team's proposal was approved by the client and removes repeated chain queries for batch, product and traceability operations.
- Ethereum/EVM integration: wrote and integrated Solidity smart contracts with Web3j and ABIs to create and transfer batches, products, companies and traceability events. Decentralized file storage on IPFS via Pinata.
- Automated, using the Observer pattern, the intake of blockchain data published by companies outside the ERP, plus bulk batch processing when firewall connectivity failed.
- Modernized legacy applications from Java 6/8 to Java 11 and Tomcat 9, and moved 6 web applications from a monolith to a modular Maven monolith. Redesigning a main screen to load each component as soon as its data arrived: from ~30 to ~3 minutes.
- Introduced JUnit 4 and Mockito into an untested ~100,000-line codebase and raised coverage from 0% to ~30%. Brought SonarQube-reported bugs from nearly 1,000 down to zero.
- Completed the SVN-to-GitLab migration and set up a develop → release → main flow with release candidates and tags on Jenkins and GitLab CI. Build and deploy time went from ~10 to ~3 minutes, and recurring incidents from ~10 a week to ~3 a month.
- Joined two other company projects during their migration from Spring to Spring Boot, building modules and features on the new stack.
- Trained 3 teammates on the system's architecture and business logic. Work directly with the client on incidents.

Software Engineer — Bilbomática (Altia Group)

May 2022 – June 2023 · Remote

Projects for public healthcare bodies.

- Built the REST API and ERP for uploading qualification files from a healthcare body to a national central repository, with REST and SOAP integrations (Java 8, Spring).
- Sole developer of a Java 6 application: analysis, development, testing and deployments.
- Took part in the production release of a medical supplies catalog ERP and in the improvements requested by hospitals.
- Backend work on migrating a website from WordPress to Magnolia CMS.

Software Engineer — Capgemini

July 2021 – May 2022 · Madrid / Remote

Applications for a public healthcare body, in a 4-person Agile team.

- Maintained and extended the management of healthcare professionals' qualifications with Java 8, Spring and Oracle SQL: registrations, removals, retirements and changes.
- Built a view listing all qualifications held by a registered physician.
- Tracked down and documented bugs in message intake across REST and SOAP APIs, files and the database, starting from user-reported incidents.

Software Developer Intern — Health in Code

March 2021 – May 2021 · Valencia

- In a 3-person team, built two applications from scratch to orchestrate bioinformatics processes running in Docker containers for DNA sequencing.
- Real-time monitoring of each sample's status with WebSockets and Angular (Java 8, Spring Boot, Angular 11, DDD).

SKILLS

Languages: Java (6, 8, 11; Java 21 in personal projects), SQL, TypeScript, JavaScript

Backend: Spring Framework, Spring MVC, Spring Boot, Spring Security, Spring Data JPA, Hibernate, Spring Batch, Spring Scheduler, Spring Cache, REST APIs, SOAP, OpenAPI, OAuth2, JWT, OpenID Connect, LDAP

Messaging: Kafka, RabbitMQ, ActiveMQ, JMS

Databases: Oracle 12c, PostgreSQL, MySQL, H2, MongoDB

Testing and quality: JUnit 4/5, Mockito, SonarQube, SonarLint, Clean Code, SOLID, refactoring

Architecture: layered architecture, MVC, modular monolith, hexagonal, DDD, Clean Architecture, SOA

DevOps and tools: Git, GitLab, GitLab CI, Jenkins, GitHub Actions, Docker, Docker Compose, Maven, Gradle, Tomcat, Nexus, Bash

Frontend and Node: Angular, Angular Material, TypeScript, NestJS, Node.js, WebSockets, HTML5, CSS3, Thymeleaf

Blockchain: Ethereum/EVM, Solidity, smart contracts, Web3j, IPFS (Pinata)

Methodologies: Scrum, Kanban, Jira

Cloud (personal projects): AWS Lambda with Java, S3, RDS, API Gateway

AI-assisted development (personal projects): Claude Code, OpenAI Codex, OpenCode, MCP. I plan before an agent touches the code, review everything it generates by hand, and run tests and static analysis before accepting it.

EDUCATION

Higher Technical Diploma in Multiplatform Application Development (DAM) — Progres CIEEP, Valencia · 2019 – 2021

LANGUAGES

Spanish: native · Valencian: native · English: B2 (technical reading and professional conversation)