IGNACIO GASSIE

Full Stack Product Engineer (Java / Spring Boot · Angular) · AWS
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Open to full-time · Remote or relocation · Flexible hours · UTC-3

PROFESSIONAL SUMMARY

Full Stack Software Engineer with a backend focus and 3 years building production systems in Java (Spring Boot) and Node.js (NestJS), from database design and REST/WebSocket APIs to Angular/Ionic frontends and AWS infrastructure as code (CDK). Sole backend developer on an enterprise legacy migration. Built and shipped two products of my own: a real-time multiplayer game on Google Play, where I led a 4-person team, and a health app in beta with real patients, with LLM integration (Claude API) and safety-first design.

TECHNICAL SKILLS

Backend: Java 21, Spring Boot, Spring Security, JPA / Hibernate, REST APIs, Microservices, WebSockets (STOMP), JWT / OAuth2, Node.js, NestJS, TypeScript

Cloud & DevOps: AWS (ECS Fargate, RDS, ALB, ElastiCache, Lambda, DynamoDB, S3, CloudFront, Cognito, WAF, CloudWatch), Infrastructure as Code (AWS CDK), Docker, GitHub Actions CI/CD

Databases: PostgreSQL, Redis, MySQL, Oracle DB, Elasticsearch, Flyway

Testing & Tools: JUnit 5, Mockito, Playwright (E2E, multiplayer chaos testing), Git

AI: Claude API (vision, text), LLM integration, human-in-the-loop validation

Frontend: Angular (Signals), Ionic, Capacitor, NgRx Signal Store, RxJS

PROFESSIONAL EXPERIENCE

Co-founder & CTO | Mi Dosis Justa (own product) 07/2026 – Present

Insulin dose and carb-counting app for people with diabetes, with a dashboard for healthcare professionals.
https://midosisjusta.com.ar

- Dose calculator in private beta since 09/2026 with real patients under physician referral. Public carb-counting version live at https://calc.midosisjusta.com.ar
- Built a Java 21 / Spring Boot REST API with JWT and rotating refresh tokens, role-based access (patients, professionals, admins) and a dose engine with hypoglycemia safety checks; backend tested with JUnit and Mockito.
- Integrated Claude API vision to estimate carbs from nutrition labels and plate photos, plus text and voice input. Confidence thresholds and mandatory user review keep any AI estimate from affecting a dose unchecked.
- Ran in-person user research at a diabetes awareness event (Tandil, 11/2026); field feedback drove improved AI prompts and clearer error states, and opened a new healthcare-center lead.
- Ionic + Angular 20 (Signals) Android app via Capacitor; professional web dashboard with custom SVG glucose charts. Infrastructure as Code with AWS CDK (S3, CloudFront, WAF), CI/CD with GitHub Actions + OIDC, E2E tests with Playwright.
- Monitoring with CloudWatch across all services; beta usage metrics tracked from CloudWatch logs.

Project Lead & Full Stack Developer | 4yMedio (own product) 04/2026 – Present

Real-time multiplayer football trivia platform: six games on one engine.

- Published on Google Play (11/2026): https://play.google.com/store/apps/details?id=com.cuatroymedio.app
- Defined the system architecture and led a 4-person team across backend, frontend and infrastructure.
- Java + Spring Boot backend with WebSocket (STOMP) real-time communication, Resolver + Orchestrator pattern, and Redis for atomic room/session state via Lua scripts; Flyway migrations, fully containerized with Docker.
- Designed and ran horizontally scaled WebSocket sessions on ECS Fargate behind an ALB with sticky sessions; RDS PostgreSQL and ElastiCache Redis, provisioned with AWS CDK (TypeScript).
- Ionic + Angular single codebase for Android via Capacitor, NgRx Signal Store, and a custom OAuth2/PKCE flow with AWS Cognito.
- Multiplayer E2E testing with Playwright: seeded chaos tests play full matches with random reloads, network drops and app backgrounding, plus WebSocket resync tests and visual regression in CI.

Backend Developer | Twin Software Factory 01/2025 – 01/2026

- Sole backend developer on the migration of a legacy hunting and fishing licensing platform (Valencia, Spain) to Java/Spring Boot; inherited the project mid-way and delivered critical features on time and within scope.
- Refactored complex SQL queries and JPA/Hibernate mappings to reduce query execution time on enterprise workloads.
- Designed and maintained REST API endpoints consumed by multiple internal and external clients.

- Set up full-stack Docker environments (containers, networks, volumes), improving environment consistency and onboarding for new team members.

Full Stack Developer | Tercer Piso 06/2024 – 11/2024

- Migrated a legacy PHP/jQuery module end-to-end into a NestJS microservice with an Angular frontend, moving complex Elasticsearch queries out of Grafana dashboards into a dedicated API.

Full Stack Developer | Loger 02/2023 – 04/2024

- Built Java / Spring Boot REST endpoints and reusable Angular components, and resolved critical production bugs.

EDUCATION & CERTIFICATIONS

University Technical Degree in Application Development (3 years) | UNICEN 03/2022 – 12/2024

AWS Certified Cloud Practitioner (Foundational) | Amazon Web Services 02/2026

LANGUAGES

Spanish (Native) · English (B2, Cambridge FCE) · French (B2, DELF B1) · Portuguese (Intermediate)