GUILLERMO ILLANES.

FULL STACK DEVELOPER

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01 / PERFIL PROFESIONAL

Software Development Technician (Instituto Cervantes, San Juan). Full Stack Developer with hands on experience in Java, JavaScript/TypeScript, React, PHP and SQL, shaped by real industrial projects and by **own products running today** in real barbershops and gyms, with **Citaly**, **FinSightAI**, **GymQR** and **sistema gym**. Strengths in REST APIs, relational databases, cloud deployment (Vercel, Linux VPS + Docker) and responsive web interfaces.

02 / WORK EXPERIENCE

Software Developer at Pack All SRL (Anchor Packaging group)

2025 to 2026, San Juan

Disposable packaging and PVC film factory, 50 years of history, with desktop software and in house servers

- **The only software developer in the plant**. I kept the desktop software running (Java), shipped features and diagnosed incidents, documenting cases for the head office team in Buenos Aires.
- Contribution on **Linux servers (Debian)**, with fixes and feature testing, **Docker** container administration and **CI/CD and DevOps** flows.
- Building and consuming **REST APIs** for data management and exposure (Spring Boot and Spring Security).
- Design and administration of **SQL databases** (modeling, queries and maintenance).
- Reports with **JasperReports** (PDF) and **Apache POI** (Excel), around **5 to 7 reports per shift**.
- Analysis of production processes and proposals of technological solutions.

03 / FULL STACK PROJECTS IN PRODUCTION

Citaly, booking SaaS for service businesses

2026 (cocreator)

- Born after seeing businesses that still **write bookings on paper**. The customer books on their own, the owner stops coordinating every appointment and the schedule updates with no manual work.
- The pilot in a **real hair salon was a success**. Bookings with a deposit through **MercadoPago Checkout Pro** cut a lot of rescheduling and gave the owner **some breathing room back**.
- On trial today with **3 barbershop locations**, looking for the first users and adding more industries.
- The stack is React 19 with TS and TailwindCSS, Java 21 with **Spring Boot 3.4**, JPA and OAuth2, **Supabase** (PostgreSQL + RLS + Auth with Edge Functions), all on Vercel.

FinSightAI, personal finance platform with AI

2026 (in development)

- Born after watching **small expenses pile up** until saving gets hard. The platform reads your movements and builds a **financial profile** per user, more than a plain log of income and expenses.
- The assistant **"Finsi"** reads the results and guides you with **concrete recommendations and steps** to improve your money habits, with **gamification and trivia** to keep users hooked.
- ML **tailor made** for spending and predictions, no generic models. The app also carries **savings goals** and transaction tracking, aiming to **grow all the way to Open Banking**.
- When the free services fell short and the app felt slow, I moved it to an **Ubuntu VPS on Oracle Cloud** with Docker Compose, Caddy and MinIO. It now responds in **under 150 ms measured in production**, backed by 27 backend tests and 311 from the AI Service.
- The stack is Java 21 with Spring Boot 3.4, React 19 with TS, Python with FastAPI and scikit-learn, and its own JWT RS256 auth.

GymQR, exercise cards by QR for gyms

2026 (in development)

- **Every machine has its QR**. You scan it and land **straight on the exercise card**, with name, muscles, **step by step technique**, tips and GIFs, no intermediate pages.
- Born in a **real gym**. Lots of people did not know how to use the machines and kept chasing the staff every other minute, because **the information was there, just not at hand**.
- **Staff panel** to create, edit and delete exercises with multimedia material. The catalog updates from the panel without touching things page by page.
- In real use there are **QRs stuck on the gym machines**, watching how members interact and iterating with their feedback, all deployed on Vercel.
- The stack is React 19 with Vite, TypeScript and TailwindCSS 4, with **Supabase** (PostgreSQL + Auth + Storage), and future integration with **sistema gym**.

Notes, Full Stack technical challenge (Ensolvers)

2026 (completed)

- Notes CRUD with **multiple categories** (a **many to many** relation with orphan record cleanup), archive and unarchive, text search and combinable filters.
- Backend in **clean layers** with **errors that introduce themselves** (404/409/400), category filtering on the backend and text search on the frontend.
- A challenge with a deadline of about **72 hours**. I added **42 automated tests** (29 backend with **JUnit** and Mockito, 13 frontend with Vitest) and passed the technical review, moving on to the next stage.
- The stack is React 18 with TS and Vite, Spring Boot with JPA, and PostgreSQL in Docker, bringing everything up locally in 2 steps.

sistema gym, end to end gym management

2026 (in use)

- **The whole business in one place**, with members, plans, fees and payments, cash movements, check in records and an income report. Forget **Excel, notebooks and manual records**.
- It was born from a real problem, memberships **expired without the owner noticing** and people kept walking in anyway.
- **Business rules fully automated** for expirations, partial payments, pending debts and classes available per plan, with member identification by a **unique code** that validates status and logs the check in.
- It reads the **Argentine DNI (PDF417)** with a code reader. The member registration fills itself, with no manual typing and no mistakes.
- The stack is **PHP 8.2 with MySQL** using prepared statements, a Bootstrap UI and an initial **multi tenant** model. Next step, the **physical turnstile with RFID**.

04 / DEMOS AND REPOS

Citaly // nuevoportfolio.vercel.app/works/detail/8ekyy7vviu (pilot demo at peluqueria-mm-nine.vercel.app)

FinSightAI // nuevoportfolio.vercel.app/works/detail/x-7xjmugndty

GymQR // nuevoportfolio.vercel.app/works/detail/gyq4mx7t2z (live app at qrgym-sand.vercel.app)

Notes by Ensolvers // github.com/guille2506/challengue (challenge source code)

sistema gym // github.com/guille2506/sistema-gym (system source code)

05 / EDUCATION

Technical degree in Software Development, Instituto Cervantes

2023 to 2025, San Juan

High school degree in Social Sciences and Humanities, Escuela Nueva Juan Fanzolato

2009 to 2020, San Juan

06 / TECHNICAL SKILLS

Languages // Java 21, TypeScript, JavaScript, Python, PHP, HTML, CSS, SQL.

Frameworks // Spring Boot 3.4, React 19, Next.js, Node.js, Express, NestJS, FastAPI, Vaadin, Bootstrap, TailwindCSS, Angular.

Databases // PostgreSQL, MySQL, SQL Server, SQLite, MongoDB, Supabase.

Backend and integration // REST APIs, Spring Security (OAuth2 / JWT), Swagger / OpenAPI, Flyway, MapStruct.

Data Science / generative AI // scikit-learn, FastAPI, AI assistant and LLM integration.

DevOps / Cloud // Docker, Linux (Debian / Ubuntu), CI/CD, Git/GitHub, Vercel, **Oracle Cloud (OCI)**, VPS, JasperReports, Apache POI.

Methodologies // agile development, teamwork, problem solving.

• CODE AND PROJECTS AT **nuevoportfolio.vercel.app** AND **github.com/guille2506**, AVAILABLE FOR INTERVIEWS / RECRUIT