

JOAQUÍN GOMENSORO

Full Stack Developer · Electronic Engineering Student

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SUMMARY

Full stack developer focused on the parts of software that can't fail silently: access control, audit trails and alerting. Three years at Handy, a Uruguayan payments fintech, building the AWS alerting for fraud and failed transactions; now designing and building two client systems end to end with Next.js, TypeScript and PostgreSQL. Third-year Electronic Engineering student at Universidad ORT. Native-level English.

EXPERIENCE

Freelance Full Stack Developer

Jun 2026 - Present

Montevideo, Uruguay

- Health-sector client: backoffice for sensitive data where access control lives in the database. Permissions are granted per record and per person and enforced with PostgreSQL row-level security; signed entries are immutable and every read is audited.
- Field-services client: multi-tenant operations system built around a server-computed pending-work board, with architecture decisions recorded as ADRs and enforced by the linter.
- Stack: Next.js, React, strict TypeScript, Mantine, Supabase/PostgreSQL, Zod and Vitest, with CI on GitHub Actions and documented architecture decisions (ADRs).

Technical Support & Instructor, MoscaLabs

Jun 2026 - Present

Technology education for children · Montevideo

- Teach programming and robotics to children aged 5 to 12 in after-school programs and partner schools.
- Diagnose and repair circuits and equipment, and handle on-site technical support for any issue that comes up.

Software Developer, Handy

Sep 2021 - Aug 2024

Uruguayan payments fintech serving about 20,000 small businesses · Montevideo

- Built the AWS alerting (CloudWatch, Lambda, SNS) that flagged fraud and failed payments, classified each error by type and routed it to the person or team who could fix it.
- Designed severity-tiered alerts for the company website, so critical incidents triggered a distinct high-priority alarm instead of mixing with routine ones.
- Created a known-incident registry linking each recurring error to its documented fix, so repeat incidents were resolved without re-investigating them.
- Analyzed transaction data with SQL and Excel to understand normal behavior and spot anomalies, which became the basis for the alert rules.
- Automated administrative and operational processes and maintained internal systems.
- Later joined the front-end team, working with Angular, HTML and CSS alongside .NET and C++ services in a Scrum team.

PROJECTS

WhatsApp Personal Finance Assistant

Personal project, in daily use

- Chat bot that logs expenses and income from text or voice messages, using the Claude API to interpret natural language. Runs 24/7 on n8n in Docker on an Oracle Cloud VM, with the WhatsApp Cloud API and Google Sheets as storage.
- Tracks credit card installments per card billing cycle and sends automatic monthly reminders.

SKILLS

Languages: TypeScript, JavaScript, SQL, .NET, C++, HTML, CSS

Frontend: React, Next.js, Angular, Mantine

Backend & data: Node.js, PostgreSQL, Supabase, Zod, SQL and Excel data analysis

Cloud & tools: AWS (CloudWatch, Lambda, SNS), Docker, Oracle Cloud, n8n, Git, GitHub Actions

Practices: Scrum, continuous integration, automated testing (Vitest), architecture decision records

EDUCATION

Universidad ORT Uruguay, Electronic Engineering

Expected 2029

- Currently in third year. Transferred after completing two years of Systems Engineering.

The British Schools of Montevideo, International Baccalaureate (IB) Diploma

2019

- English-medium school from 2007 to 2019.

LANGUAGES

Spanish (native) · English (native-level, fully bilingual)

OTHER

Produce the Instagram content for a rural real estate agency (instagram.com/gomensoropropiedades). Rock climbing.