

GUILLERMO BRAVO

Tech Lead, Full-Stack Engineer

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Summary

Full-stack engineer with 6+ years of experience. Currently AI Engineer at Factor IT, delivering data and AI-driven transformation for enterprise clients across banking, telco, retail, mining and energy. Previously Tech Lead at a Chilean proptech, owning a monorepo of 25+ apps and 60+ APIs, where I designed the engineering standards and AI-native tooling that kept the codebase coherent at scale. I own the technical decisions that reach production.

Skills

Programming Languages: TypeScript, JavaScript, Python, C#, SQL

Frontend: React 19, Next.js 15 (App Router), Tailwind CSS, HeroUI, Radix UI, Zustand, Framer Motion, React Hook Form, Zod, Leaflet

Backend: FastAPI, Pydantic v2, Node.js, Express, SQLAlchemy 2.0, Supabase, PostgreSQL, REST APIs, WebSockets

Cloud & DevOps: AWS (Lambda, Amplify, S3, CloudFront, Cognito, CloudWatch), Vercel, GitHub Actions, Terraform, Serverless Framework, Docker

AI Workflows: Claude Code, Cursor, MCP servers, Anthropic and OpenAI APIs, AI-first asset pipelines (Tripo3D, Mixamo, Suno, Grok, Gemini)

Architecture & Practices: Monorepo design, multi-tenant systems, role-based access control (RBAC), microservices, event-driven architecture, REST APIs, GraphQL, CI/CD pipelines, test-driven development, code review, Agile, Scrum

Leadership & Collaboration: Technical leadership, direct-report management, architecture decisions, mentoring, cross-functional collaboration, stakeholder communication, technical writing, system design, problem solving, ownership

Game Development: Godot 4 .NET, C#, Three.js, React Three Fiber, Canvas 2D rendering, ECS architecture, GLSL shaders

Work Experience

Propital

Jun 2023 - Apr 2026

Tech Lead, Full-Stack Engineer

Chile (remote from Buenos Aires, Argentina)

- Owned the corporate monorepo (25+ apps, 60+ APIs), driving architecture, CI/CD, and release strategy across the engineering org.
- Designed the AI-native engineering standards adopted across the repo: typed rules, automated review, structured documentation, and formalized domain boundaries. The consolidation let the team sustain the original scope with a significantly reduced headcount.
- Drove cross-cutting performance and reliability improvements, including a 95% reduction in API query load and sub-30ms latency on critical endpoints.
- Authored the structural documentation that shapes how the team navigates the codebase, from multi-tenant role-based access control (RBAC) to domain boundaries and database references.
- Provided technical leadership, managed direct reports, and shipped production releases.
- **Stack:** Next.js, React, TypeScript, FastAPI, Python, Supabase, AWS Lambda, AWS Amplify, Terraform.

Ivoy

Nov 2021 - Jun 2023

Frontend Developer

Mexico (remote)

- Owned three product surfaces end-to-end: the customer app for parcel tracking and order management, the operations dashboard used by dispatch and support teams, and the public marketing site.
- Built real-time tracking flows with Leaflet maps, multi-step logistics onboarding forms, and lead capture surfaces.
- **Stack:** React, Redux, Next.js, Tailwind CSS, Leaflet, GraphQL.

Numen Academy

Jun 2021 - Mar 2023

Frontend Instructor and Developer

Argentina

- Instructed students in HTML, CSS, JavaScript, and React; led workshops on technical topics and job-search skills (LinkedIn presence, interview prep).
- Developed freelance projects in parallel with classroom work: landing pages, scheduling and shift-management tools, and academic-operations software (classes, teachers, students).
- **Stack:** React, TypeScript, Tailwind CSS, HTML, CSS, JavaScript.

Lima Innovation Lab

Jul 2021 - Nov 2021

Frontend Developer

Peru (remote)

- Built a telemedicine platform with Twilio-powered real-time video consultations and 1:1 diagnosis flows, including auto-suggestions for medications and treatments.
- Shipped supporting systems end-to-end: professional directory by specialty, medical records with role-based access control, payment gateway integration, and event-driven email workflows.
- **Stack:** React, TypeScript.

Education

Henry

Full Stack Web Development Program

Feb 2020 - Dec 2020

Secondary Technical School

IT Technician

Mar 2008 - Dec 2014

Languages

Spanish - Native

English - B2 (Professional Working Proficiency)