in/agustinlzn · github.com/agustinlzn · alozanoblua@gmail.com · Remote from Argentina (GMT-3)

AGUSTIN LOZANO

Full-Stack Engineer

Full-stack engineer with 4+ years building products end to end: API design, data handling, and high-performance UIs. Currently leading the frontend of a construction-tech SaaS platform with a team of 5, and built 3D digital twins used on real projects in the US and Latin America. Product-minded, with hands-on experience taking AI agents and MCP servers from zero to production.

WORK EXPERIENCE

Full-Stack Engineer — Bimtrazer.com

Aug 2022 – Present · Rosario, Argentina · Construction tech, BIM startup

Construction-tech SaaS for large-scale industrial projects, used on 12 active projects (~200 users). Lead a team of 5 (3 frontend, 1 backend, 1 QA) and define user experiences together with our UI/UX designer.

KEY CONTRIBUTIONS

- Built and shipped interactive 3D digital-twin apps (Three.js) used on real construction projects, optimizing complex scenes and large datasets. Highlight: part of the sales and marketing strategy for a Brooklyn, NY skyscraper.
- Migrated existing endpoints to a gRPC microservices architecture, built new ones in TypeScript, and drove the API contracts from the frontend based on deep domain knowledge.
- Redesigned the platform's UI/UX end to end based on years of feedback from clients across industries: once-confusing flows are now self-explanatory, and nearly all incoming tickets are feature requests rather than bugs.
- Optimized a core backend service, making critical processes ~35% faster.
- Improved CI/CD, automated API docs with OpenAPI, and expanded test coverage.
- Zero service outages since the new platform version launched.

Freelance Developer — Media Workflow Automation for a Content Creator

2025 – 2026 · Remote (client in New York, NY) · Python, ffmpeg, scripting

- Designed 3 workflows still in use: automated media ingestion, backups with integrity verification, and a visual catalog.

PROJECTS

Finpilot — Multi-Market Wealth Management Platform

2026 – Present · Personal project · Next.js, React, TypeScript, Supabase, Vercel AI SDK, MCP

- Solo-built a multi-market investment tracking platform (150+ test files, 90+ SQL migrations) with multi-currency valuation and time-weighted return (TWR) calculation.
- Built an AI agent with tool calling and an MCP server (CLI published on npm); the agent only proposes changes and the user approves every write.
- Secured with Supabase RLS and hashed personal access tokens with rate limiting; automated daily snapshots.

SKILLS

✓ React	✓ Node.js	✓ AWS
✓ Next.js	✓ Python	✓ Docker
✓ TypeScript	✓ PostgreSQL	✓ Git
✓ JavaScript	✓ MongoDB	✓ AI agents & MCP
✓ Three.js	✓ Supabase	✓ Claude Code + Cursor
✓ Product UX	✓ gRPC	✓ Vitest + Playwright

EDUCATION

Systems Analyst program (incomplete), National University of Rosario

2021 – 2024 · Argentina

LANGUAGES

Native Spanish. Upper-intermediate English (B2).