

Santiago Avilez Ariza

Full-Stack Software Engineer | React · Next.js · Node.js · NestJS · TypeScript
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Full-Stack Software Engineer with 5+ years building product-driven, scalable web applications using Node.js, TypeScript, and React. Strong experience designing real-time systems, APIs, and user-facing features with measurable impact on performance and user engagement. Proven ability to own features end-to-end, collaborate cross-functionally, and deliver solutions aligned with business outcomes.

EXPERIENCE

Full-Stack Developer — Secretaría de Modernización, Municipalidad de Neuquén Feb 2025 – Present

- Architected and shipped citizen-facing digital platforms (**React + NestJS + PostgreSQL**) serving **12,000+ users/year**, replacing manual government processes with online services.
- Led frontend performance refactor — code-splitting, lazy loading, rendering optimizations — reducing load times by **30%** and boosting form completion by **15%**.
- Improved platform accessibility by **20%** through semantic HTML and ARIA standards; expanded reach to low-bandwidth and assistive technology users.
- Established automated testing culture with Jest (**~85% coverage**), eliminating regression incidents across production releases.
Stack: TypeScript · React · Next.js · NestJS · Node.js · PostgreSQL · TypeORM · Docker · Jest · REST APIs

Full-Stack Developer — Eximo Dec 2020 – Jan 2025

- Built and optimized full-stack applications (**React + NestJS**) for enterprise clients across platforms with **5,000+ active users**, owning end-to-end delivery from DB modeling to production deployment.
- Reduced page load times by **40%** through frontend code-splitting and backend query optimization on a high-traffic client platform.
- Modernized legacy backend services using **Clean Architecture and DDD**, improving code modularity and reducing new engineer onboarding time.
- Integrated third-party APIs and built RESTful services supporting distributed frontend-backend communication under real production load.
Stack: TypeScript · JavaScript · React · NestJS · Node.js · MySQL · PostgreSQL · Jest · REST APIs · Clean Architecture

PROJECTS

Fulbbo — Co-Founder & Lead Engineer | fulbbo.vercel.app

- Designed a **full-stack product** including booking, payments, and social interactions, improving user engagement and retention.
- Built a **real-time chat system** enabling live coordination between players, handling concurrent interactions and real-time updates.
- Designed a **geographic cache system** over Google Places API (PostgreSQL + 5km grid), reducing API costs by **~90%** in high-traffic zones.
- Architected a scalable monorepo with end-to-end type safety and CI/CD pipelines.
Stack: TypeScript · JavaScript · React · Next.js · Node.js · PostgreSQL · Vercel · Vitest · Vertical Slice Architecture

TECHNICAL SKILLS

Languages: TypeScript · JavaScript · SQL | **Frontend:** React · Next.js · Tailwind CSS · Redux / Zustand

Backend: Node.js · NestJS · Express · tRPC · REST APIs | **Databases:** PostgreSQL · MySQL · TypeORM · Drizzle

Infra & Testing: Docker · Vercel · GitHub Actions · AWS · CI/CD · Jest | **Architecture:** Clean Architecture · Vertical Slice Architecture · SOLID · DDD

EDUCATION

Bachelor's in Web Development — National University of Comahue 2019 – 2022

Systems & Computer Engineering — Universidad de los Andes (*ongoing*) 2023 – Present