Nicolás Baglivo

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Open to Remote & Relocation

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Senior Fullstack Engineer (TypeScript / React / Node.js)

Product-Oriented • Systems Thinking • Craft-Driven

Senior Software Engineer with 15+ years of experience building scalable product platforms, progressing from Software Engineer to Tech Lead while remaining deeply hands-on in architecture and implementation.

Strong backend foundation in distributed systems and cloud architectures, with growing specialization in frontend craft and design engineering through React and Next.js. Particularly motivated by building intuitive, resilient systems where interaction quality and technical excellence reinforce each other.

Currently seeking Senior / Staff Individual Contributor roles in product-driven startups and scale-ups.

Design Engineering & Product Craft

- Design and ship micro-interactions and motion-driven UI improvements across personal and experimental projects using React, Next.js, and Motion.
- Build small product-focused applications to explore interaction design,

animation systems, and UI architecture.

- Actively deepening expertise in advanced UI animation and frontend performance (animations.dev).

Portfolio: https://nbaglivo.dev

Selected Technical Contributions

High-Scale Async Processing Platform (Recent)

- Designed and implemented an API for asynchronously processing ~10M pricing records per day in burst-heavy workloads.

- Architected a serverless system using AWS Lambda and API Gateway.

- Reduced processing time for 1M records from >24h to ~30 minutes.

- Lowered compute costs by approximately 10x, shifting the bottleneck to database throughput.

Search Platform Ownership & Strategic Reset

- Identified systemic ownership gaps in the core Search service powering critical product flows.

- Surfaced architectural drift: duplicated solutions, ad-hoc workarounds, data inconsistencies, and increasing latency.

- Highlighted operational and product risks caused by unclear ownership and limited Elasticsearch expertise.

- Advocated for consolidation of efforts and elevation of Search as a strategic platform concern.

- Established clear ownership boundaries and initiated a product-oriented long-term vision between senior engineers and PMs.

Event-Driven Subsystem Communication Standards

- Defined shared standards for inter-service communication across

subsystems.

- Introduced event-driven patterns using AWS EventBridge.
- Clarified when to prefer events over direct service-to-service communication.
- Improved decoupling, scalability, and long-term system evolution.

Order Management System Architecture

- Architected and owned a resilient Order Management system handling thousands of daily transactions with near-zero tolerance for failure.
- Exposed APIs to internal platform, third-party integrations, and partner systems.
- Designed fault-tolerant retry mechanisms ensuring EDI transactions completed despite transient integration failures (APIs, FTP, email).
- Reduced operational incidents to near-zero downtime, eliminating manual intervention at scale.

Declarative Validation Framework (Pre–Ecosystem Maturity)

- Designed and implemented a declarative, composable validation framework for API input and domain constraints before mature TypeScript validation libraries were widely available.
- Built a strongly typed API leveraging advanced TypeScript generics and functional composition patterns.
- Adopted across multiple backend services and maintained in production for several years.
- Later migrated to ecosystem-standard tooling once it became the better long-term fit.

Engineering Quality Standards

- Authored and introduced a Testing Manifesto to standardize testing vocabulary, tooling, and expectations across engineering.
- Elevated shared quality standards by defining guiding principles,

documenting practical guidelines, and partnering closely with teams to drive adoption.

Professional Experience

Fashion Cloud — Hamburg, Germany

2017 – 2025 (8+ years)

Tech Lead (2024 – 2025)

- Led architectural decisions for complex distributed systems.
- Partnered closely with product during discovery to validate feasibility and shape technically sound solutions.
- Defined engineering standards improving scalability, reliability, and maintainability.
- Contributed to company-wide technical strategy while remaining hands-on in critical initiatives.

Tech: TypeScript, Node.js, AWS (Lambda, Event Bridge, Fargate, S3), MongoDB, React, Terraform, Elasticsearch

Team Lead (2021 – 2024)

- Owned technical direction for a customer-facing product area.
- Drove alignment between product goals and engineering execution.
- Maintained active hands-on contribution across backend and frontend.
- Mentored engineers and strengthened engineering review culture.

Software Engineer (2017 – 2021)

- Designed and implemented scalable APIs and backend services.
- Contributed to frontend applications and internal tooling (Angular & React).

- Led refactoring and architectural improvements of legacy systems.

Devsar — La Plata, Argentina

Software Engineer (2015 – 2017)

Fullstack engineer building web applications for international clients.

Tech: TypeScript, Node.js, Angular, React, PostgreSQL

LIFIA UNLP — La Plata, Argentina

Software Engineer (2011 – 2015)

Developed and maintained web applications using JavaScript and C++.

Education

Universidad Nacional de La Plata — Argentina
Analista Programador Universitario
(Computer Science degree equivalent to Bachelor level)
Graduated 2018

Technical Skills

Frontend
React, Next.js, Modern CSS, UI Architecture, Interaction & Motion Systems

Backend
TypeScript, Node.js, REST APIs, Async Processing, Distributed Systems

Cloud & Infrastructure
AWS (Lambda, Event Bridge, Fargate, S3, API Gateway), Terraform, Vercel

Data

MongoDB, PostgreSQL, Elasticsearch