

Sebastián Fernando Lozano Bello

Full Stack JavaScript / TypeScript Developer

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Summary

Full Stack Developer with over 2 years of technical experience, specializing in the JavaScript/TypeScript ecosystem (Next.js, Nest.js, Node.js). Systems Engineering student (6th semester) focused on building scalable architectures, robust REST APIs, and secure authentication systems. Expert in creating high-performance user interfaces using Astro and advanced animations (GSAP/Motion), integrating modern AI/LLM capabilities. Fully committed to open source, containerization with Docker, and efficient deployment across Cloud environments (Vercel, Cloudflare).

Experience

Full Stack Web Developer, Freelance – Bogotá, Colombia Mar 2024 – present

End-to-end development of high-performance web, mobile, and desktop solutions leveraging modern technologies such as Next.js, Nest.js, Astro, and PostgreSQL.

- Delivered end-to-end web, mobile, and desktop solutions across 3 client projects, owning the full lifecycle from Figma wireframing through deployment on Vercel and Cloudflare.
- Achieved Lighthouse scores consistently above 95 across all four categories (Performance, Accessibility, Best Practices, and SEO) by optimizing rendering with Astro and Next.js.
- Translated business requirements from non-technical clients into production-ready products, managing source code through a structured Git/GitHub version control workflow.
- Built robust REST API architectures with secure authentication (JWT, OAuth 2.0) and efficient PostgreSQL and MongoDB database management.

Projects

Invitation - Digital Invitation

[Web](#) · [Code](#)

Full Stack application for private event management with real-time confirmation.

- Engineered a real-time event management system tracking 27 confirmed attendees and 17 sign-ups for an in-party activity via a participation button, all managed through an administrative dashboard.
- Built the RSVP flow by integrating an Express REST API with a PostgreSQL database layer for reliable confirmation handling.
- Developed a high-performance, fluid UI using Astro and advanced GSAP animations, reaching Lighthouse scores above 95 across all metrics.

Watcha - Media Discovery Platform

[Web](#) · [Code](#)

Multimedia content discovery platform integrated with the TMDB API.

- Optimized user experience by engineering fluid view transitions with Motion and implementing complex dynamic carousels.
- Architected a modern frontend using Next.js for high-efficiency rendering and Tailwind CSS for responsive layout design, achieving Lighthouse scores of 100 in Accessibility, Best Practices, and SEO, and 95 in Performance.
- Integrated live dynamic feeds and comprehensive metadata visualization (synopsis, ratings, and cast lists).

Technical Skills

Languages: JavaScript, TypeScript, C#, Java, HTML, CSS, SQL

Frontend: React, Next.js, Astro, React Native, Electron.js, Tailwind CSS, GSAP, Motion/Framer, Vite, Sass

Backend: Node.js, Nest.js, Express, Bun, APIs REST, JWT, OAuth 2.0, Zod

Data Bases: PostgreSQL, MongoDB, Redis, Prisma, Neon

Tools & DevOps: Git, GitHub, Docker, Vercel, Cloudflare, Postman, Jest, Figma, Render

Education

Universidad Pedagógica y Tecnológica de Colombia (UPTC), Systems and Computing Engineering – Sogamoso, Colombia Apr 2024 – present

- Currently enrolled in the 6th semester (Expected graduation: 2029).
- Key Coursework: Data Structures, Analysis of Algorithms, Database Management Systems, Object-Oriented Programming (OOP).

Certifications

Web Development & JavaScript (midudev): [Modern JS](#), [Async JS](#), [Tailwind CSS](#), [CSS Grid](#), [HTML/CSS](#).

Languages

Spanish: Native

English: Intermediate (B1) - Competent in reading technical documentation and basic communication.