Sebastian Molina

Full Stack Web Developer

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Full-stack developer blending engineering and design to ship fast, accessible web apps. 2+ years taking features end-to-end from Figma to production using Next.js, TypeScript, Node.js, and MongoDB/MySQL. Known for pragmatic testing and measurable impact, including SEO +15%, initial load −20%, and production bugs −30%. Looking to join a product team where I can own features and collaborate closely with design and engineering.

Technical Skills

- Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3
- Frontend: React, Next.js (App Router, SSR/SSG), Tailwind CSS
- Backend: Node.js, REST APIs
- Databases: MongoDB, MySQL
- Testing: Jest
- Cloud & DevOps: Vercel, Git, GitHub
- Design: Figma, Adobe Photoshop, Illustrator, Blender

Featured Projects

Prompt-Central   **promptcentral.vercel.app**

Full Stack Web Developer   2024

- Engineered a full-stack platform with Next.js 13 App Router, combining Server Components and route handlers to deliver SSR/SSG and dynamic routing; backed by MongoDB for prompt and user data.
- Implemented secure provider-based authentication with NextAuth.js (OAuth), session management, and protected pages; enforced ownership checks for creating, editing, and deleting prompts.
- Applied Graphic Design expertise to craft a clean, intuitive UI implemented with Tailwind CSS; used semantic HTML and ARIA patterns for accessibility and keyboard-friendly navigation.
- Wrote the application end-to-end in TypeScript with strict types and reusable domain models, improving reliability and refactor safety across API and UI layers.
- Deployed on Vercel with environment-based configuration; optimized for fast first loads using caching, prefetching, and route-level code splitting.

Personal portfolio   **sebastianmsz.vercel.app**

Full Stack Web Developer   2024

- Next.js App Router + TypeScript + Tailwind CSS + shadcn/ui + framer-motion + next-themes for a responsive, accessible UI with EN/ES i18n and smooth scroll (Lenis).
- Secured contact form with validation (Joi), sanitization, CSRF (session-scoped, auto-refresh), rate limiting (Retry-After), CORS, and Helmet; email via Nodemailer with pooled transport and retries; request/response logging with request IDs (Winston); health check endpoint.
- Improved SEO using Next.js Metadata (Open Graph, Twitter, canonical) and optimized media via next/image; deployed on Vercel.

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Experience

TechSpark   **Cali, VAC**
Junior Full Stack Developer   June 2024 - Dec 2024

- Built and deployed Next.js (App Router) apps on Vercel using SSR/SSG, image optimization, and metadata for faster first load and better indexability.
- Designed and implemented RESTful APIs in Node.js with MySQL/MongoDB, validation, error handling, and secure patterns.
- Translated Figma to accessible, responsive UI with Tailwind CSS; contributed reusable components to a small design system.
- Introduced unit tests (Jest) and migrated critical paths to TypeScript, reducing regressions and clarifying contracts.
- Used Lighthouse and Web Vitals to identify bottlenecks; applied code-splitting, prefetching, and next/image optimization to improve Core Web Vitals and page speed (e.g., initial load −20%, SEO +15%).
- Collaborated to scope tickets, review PRs, and ship features end-to-end from spec to release.
- Tech: Next.js, React, TypeScript, Node.js, Jest, Vercel, MongoDB, MySQL, Tailwind CSS, Figma

Education

Autonomous University of the West   **Cali, VAC**
Bachelor's Degree in Computer Engineering. GPA 4/5   January 2022
Relevant Coursework: Data Structures & Algorithms, DBMS, Software Engineering, Web Development, OOP, Computer Networks

Bachelor's Degree in Graphic Design. GPA 4.2/5   January 2023
Relevant Coursework: UI/UX Design, Web Design, Visual Communication, Typography, Digital Illustration

Additional Information

Languages: Spanish (native), English (fluent)
Interests: Interests: Artificial intelligence, 3D modeling, motion graphics, music (guitar), and contact sports.