TOMAS GARBARINO - Product Engineer

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PROFESSIONAL SUMMARY

Product Engineer with 5 years of experience building web products and AI-powered platforms. Currently working with end-to-end ownership, from business discovery and technical design through implementation, testing, deployment, and production support. I use Claude Code and Cursor daily, including agent-based workflows to automate analysis, code changes, testing, and documentation, while critically reviewing and validating generated output. Strong foundation in React, Next.js, TypeScript, APIs, and cloud integrations.

TECHNICAL SKILLS

- Product & Delivery: end-to-end ownership, discovery, solution design, testing/UAT, deployments, and troubleshooting.
- AI & Agents: Claude Code, Cursor, OpenAI API, agentic workflows, automated coding loops, and review/validation of AI-generated output.
- Frontend: Next.js, React, TypeScript, JavaScript, Three.js, Tailwind CSS, Shadcn/ui.
- Backend & Cloud: REST APIs, Supabase/PostgreSQL, data modeling, Vercel, CI/CD, Git.

PROFESSIONAL EXPERIENCE

Product Engineer | Flock IT (AI R&D) *Feb 2026 - Present*

- End-to-end ownership of AI initiatives: stakeholder discovery, technical design, implementation, testing, demos, deployment, and production support.
- Built products with Next.js/React/TypeScript and integrations with OpenAI, ElevenLabs, Supabase, and Vercel, including conversational and immersive experiences.
- Daily use of Claude Code and Cursor for feature development, debugging, refactoring, tests, PRs, and documentation; designed agent loops to automate analysis, generation, and validation of code changes while keeping human-in-the-loop review.
- Partnered directly with business and commercial teams to translate problems into technical solutions and rapidly validate MVPs.

Frontend Developer / Frontend Lead | Batech (AI-Vision SaaS) *Nov 2023 - Dec 2025*

- Owned the frontend of an AI-powered video and image processing SaaS platform built with React, TypeScript, and Shadcn/ui and integrated with computer vision services.
- Progressed into a Frontend Lead role, defining architecture and engineering standards, leading code reviews and onboarding, and coordinating with backend/AI teams in a multidisciplinary environment.
- Improved performance and stability through rendering optimizations, stronger API contracts, and error-handling strategies, reducing load times by 25% and improving system stability by 40%.

Frontend Developer | Hogarth Worldwide (Client: Apple) *Feb 2022 - Nov 2023*

- Developed pixel-perfect, responsive, and accessible interfaces for high-traffic Apple product pages.
- Built an internal low-code tool and automation scripts that streamlined workflows and saved the team approximately 10 hours of manual work per week.

Frontend Developer | Freelance *Aug 2021 - Feb 2022*

- Built and deployed web applications end-to-end for more than 12 local businesses, including direct client communication and ongoing support.

EDUCATION & CERTIFICATIONS

Software Developer | ISTEA *Aug 2023 - Present*

Claude Code in Action | Anthropic *Jan 2026*

LANGUAGES

Spanish: Native | **English:** B1 (Intermediate)