

Ismael Parra

Senior Software Engineer — Full Stack & AI Integration

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SUMMARY

Senior Full Stack Engineer with 7+ years building SaaS platforms and modern web applications, specialized in delivering complete features end-to-end across frontend, backend, APIs, and data. Recently focused on integrating LLM capabilities into production using the Claude API and Model Context Protocol (MCP) — applying the same standards for reliability, security, and maintainability as any other system. Experienced leading distributed engineering teams across concurrent client projects.

CORE SKILLS

Programming Languages: TypeScript, JavaScript (ES6+), PHP

Frontend: React, Next.js, Angular, HTML5, CSS3, Tailwind CSS, responsive design, accessibility

Backend: Node.js, NestJS, Express, GraphQL / Apollo Server, PHP / Laravel, REST API design

AI Integration: Claude API, Model Context Protocol (MCP), LLM application integration, AI agents, prompt engineering, conversational AI applications

Data & Cloud: MongoDB (data modeling), AWS, Docker, CI/CD, observability (Dash0 / OpenTelemetry)

Architecture & Practice: clean architecture, performance optimization, testing, code review, technical leadership, mentoring, Agile / Scrum

Security: application-level encryption, envelope encryption, privacy engineering (HIPAA-oriented), secure software engineering

EXPERIENCE

House Edge LLC — Senior Full Stack Software Engineer

Remote · Nov 2025 – Jul 2026

- Integrated the Claude API and Model Context Protocol (MCP) into production applications — building the application-layer services and frontend/backend needed to expose LLM-powered features — while holding them to the same reliability, testing, and maintainability standards as the rest of the platform.
- On a secure healthcare platform, implemented privacy-first data protection: application-level PII encryption, envelope encryption (separating encrypted data from keys), and deterministic-hash lookups over encrypted fields — under strict privacy and compliance requirements.
- Delivered production full-stack features (React/Next.js, Node.js/NestJS) for a group communication platform operating at scale across mobile and web.
- Built reusable component libraries and shared engineering standards adopted across products; added application telemetry (Dash0) and optimized backend queries over very large datasets.
- Conducted code reviews and mentored junior and mid-level engineers in a distributed, cross-functional team.

Softwov — Technical Lead (formerly Frontend Tech Lead)

Remote · Jun 2020 – Dec 2025

Primary employer over 5.5 years; the consulting engagements below ran concurrently by approved arrangement.

- Grew from Frontend Developer to Frontend Tech Lead to Technical Lead; led distributed engineering teams across concurrent client projects.
- Introduced CI/CD pipelines and cloud deployment workflows, increasing deployment frequency ~30%.
- Standardized engineering practices, code reviews, and reusable-component strategies across multiple concurrent client projects, improving delivery consistency and code quality.
- Owned technical direction within scope — requirements analysis, architecture, and technology selection — delivering large-scale projects including management systems and AI chatbot solutions.

SmartBeemo — Full Stack Developer (concurrent consulting)

Remote · Mar 2024 – Aug 2025

- Delivered 15+ production features end-to-end on a MERN + GraphQL SaaS platform (React, Node.js, Apollo Server, MongoDB), owning the work from data model to UI.
- Reduced page load times ~25% through query and payload optimization; shipped features that increased user engagement.

Sophos Solutions — Solution Consultant III, Frontend Engineer (concurrent consulting)

Remote · Feb 2023 – Nov 2023

- Built the entire Angular frontend from scratch for a bank's loan-management platform — an administrator dashboard spanning the full loan lifecycle (applications, credit-status checks, document validation, approve/reject) — under regulated, mission-critical standards.
- Collaborated on backend/API improvements where frontend requirements exposed data or performance limitations, rather than working around them in the UI.

Infodec — Full Stack Consultant (concurrent consulting)

Remote · Dec 2021 – Feb 2023

- Delivered full-stack features for multiple client systems — building Angular interfaces, implementing PHP endpoints, extending business logic, and modifying database models to ship complete functionality.

UX/UI Developer — Ready4IoT · Safero · Carbolsas S.A.S.

Bucaramanga, Colombia · 2019 – 2021

- Frontend and UX/UI development on web and e-commerce platforms, with conversion-focused improvements to checkout completion and product discovery.

CERTIFICATIONS

Anthropic (2026): Building with the Claude API · Introduction to Model Context Protocol (MCP) · Introduction to Agent Skills · Claude Code in Action · Claude 101

ICDL Americas (2024): ICDL E-Commerce

EDUCATION

B.Sc. Systems Engineering — Universidad Autónoma de Bucaramanga (2016–2021)

Advanced Diplomas: Backend Development with Node.js (2023) · JavaScript & React Foundations (2022) · Angular Web Applications (2022) · Hybrid Mobile Apps with Ionic (2022) · Comprehensive E-Commerce Management, SENA (2024)

LANGUAGES

Spanish (native) · English (professional working proficiency)