

# Jose Manuel Porras Guerra

Software Engineer · AI & Automation

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## PROFILE

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Computer Science student and developer focused on AI-driven automation. Hands-on experience shipping local AI/voice tools in Python, a programming-language interpreter in C#, and live web applications. As the sole technical owner at ReAgent Realty Brokerage, I built and deployed the company's full production web platform (Next.js + Supabase) in one month. I work fluently with Claude Code, authoring custom agent skills and multi-agent workflows that sharply multiply my delivery speed. Comfortable across Python, TypeScript/React, C#, and modern web; native-level technical English.

## EXPERIENCE

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### Founding Software Engineer (Sole Developer) — ReAgent Realty Brokerage

Apr 2026 – Present

Remote · *Luxury real estate startup (Miami; first Bitcoin/blockchain-based brokerage)*

- Built and shipped the company's production web platform single-handedly — Next.js 14 + TypeScript + Supabase, deployed on Vercel — from zero to production in one month (69 commits, 71 modules).
- Engineered a secure Supabase backend (Postgres, Row-Level Security, role-segregated clients) and hardened the app through a self-run security audit: nonce-based CSP, XSS sanitization, upload sanitization, IP rate-limiting + CAPTCHA on the leads API.
- Implemented technical SEO (schema.org JSON-LD, hreflang, sitemap) and EN/ES/PT internationalization, plus validated lead-capture forms (Zod + react-hook-form).
- Set up the full quality pipeline: Vitest unit tests, Playwright E2E with local Supabase, GitHub Actions CI/CD, dev→main deploy flow, and Vercel observability.
- Multiplied delivery speed by mastering Claude Code: authored 14 custom skills and a multi-agent (review/test/research) workflow that automate releases and QA.

### Freelance Web Developer — Real Estate Landing Pages

2025 – Present

Remote

- Built and operate an automated HTML redirect system serving time-windowed landing-page previews for property listings via Cloudflare tunnels.
- Designed the automation so lead-facing previews update without manual intervention and degrade gracefully outside viewing hours.

## SELECTED PROJECTS

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- hey-jarvis — Windows voice assistant built on Claude Code (Python): wake word, Silero VAD, faster-whisper STT on GPU, intent routing, streaming TTS, and a verbal-confirmation safety hook for dangerous commands.
- faster-whisper-dictation — 100% local push-to-talk dictation for Windows; faster-whisper large-v3 on NVIDIA CUDA, ~1s latency, single-instance guard. Published MIT with bilingual documentation.
- Wall-E — A programming-language interpreter in C#: full lexer, parser, semantic analysis, AST, and error handling.
- Azucararte — Multipage website (HTML5, Tailwind, vanilla JS, JSON-driven content) deployed to production on Vercel.

## SKILLS

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**Languages:** Python, TypeScript, JavaScript, C#, C, SQL, HTML5, CSS3

**Frameworks & Libraries:** Next.js 14, React, Tailwind CSS, .NET, Pygame, next-intl, Zod, react-hook-form

**Backend & Data:** Supabase (Postgres, Auth, Row-Level Security), Upstash Redis

**AI & Voice:** faster-whisper, Silero VAD, openWakeWord, Edge TTS; Claude Code (custom skills & multi-agent workflows)

**DevOps & Tooling:** Git/GitHub, GitHub Actions CI/CD, Vercel, Playwright, Vitest, Cloudflare Tunnels, CUDA/GPU

**Practices:** Web security (CSP, XSS, rate limiting), technical SEO, i18n, automated testing, ISR

**Languages (spoken):** Spanish (native), English (advanced — technical fluency)

## EDUCATION

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### B.Sc. in Computer Science — University of Havana

2nd year (in progress)

- Relevant work: built a programming-language interpreter in C#; object-oriented programming; operating systems (MINIX/C).