

Harvy H. Monte de Ramos

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PROFESSIONAL SUMMARY

Full stack developer and AI builder with a strong track record of shipping production-grade web applications, AI pipelines, and automation systems end to end. Proficient across React and Next.js on the frontend, Python (FastAPI) and PHP (Laravel) on the backend, and PostgreSQL and MySQL on the data layer. Built production RAG pipelines, LLM-integrated web apps, agentic automation workflows, and real-time multiplayer backend services from scratch. Uses Claude and Claude Code as a core daily engineering tool. Adapts quickly across frameworks, domains, and team environments with a consistent focus on shipping clean, working software that solves real problems.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, shadcn/ui, HTML5, CSS3, Three.js, Framer Motion, GSAP, D3.js, React Flow

Backend & AI: Python (FastAPI), PHP (Laravel), LangChain, RAG pipelines, Groq API, LLM integration, prompt engineering, n8n automation, REST APIs, WebRTC, Edge Functions

Databases & Cloud: PostgreSQL, MySQL, Supabase (Auth, Realtime, Storage, pgvector), IndexedDB, DynamoDB, AWS Amplify, Vercel, Railway

AI Dev Tools: Claude, Claude Code, Cursor, Playwright, Ollama

Other: Git/GitHub, Agile/Scrum, QA testing (iOS, Android, React web, 3D assets), Microsoft Clarity, Resend API, Figma

EXPERIENCE

Lead Backend Developer

July 2026 – Present

Woogidex — Collaborative Project (Remote)

- Built Supabase Edge Functions and database migrations for identifier-based authentication, login-attempt tracking, and user data management
- Developed backend services supporting community, contest, and notification features
- Helped implement real-time multiplayer battle connectivity using WebRTC networking and custom application protocols
- Integrated cloud-backed features with local-first IndexedDB storage for a responsive browser experience
- Collaborated with the project owner and frontend developer to connect backend services to the product UI

Stack: JavaScript, TypeScript, Supabase, PostgreSQL, Edge Functions, WebRTC, IndexedDB, HTML/CSS

Software Developer Intern

March 2026 – June 2026

Xeleqt Technology Innovations Inc. (Award-Winning AIoT Startup) — Cebu City, Philippines

- Led the migration of the company website from Wix to a custom Next.js application, integrated with an AI chatbot and hosted on Amazon Amplify with Microsoft Clarity analytics for real-time user behavior tracking
- Performed comprehensive QA testing across iOS, Android, and React web applications, covering functionality, edge cases, regression testing, and cross-platform behavior across each product cycle
- Conducted 3D asset testing to validate visual accuracy and integrity for the company's AIoT hardware product line
- Built a mock frontend visualization prototype for a digital twin project, translating real-time sensor data concepts into an interactive UI
- Participated in weekly Agile/Scrum ceremonies including sprint planning, backlog grooming, and cross-functional team coordination

PROJECTS

Prospectos — AI-Powered Prospecting and Outreach Platform

Personal Project — Next.js 14, TypeScript, FastAPI, Python, PostgreSQL, Supabase, Playwright, Ollama, Gmail API, OpenStreetMap, Geoapify

- Built a full-stack platform that discovers local businesses, audits websites for verified conversion and automation opportunities, and generates evidence-based outreach
- Developed a Playwright audit pipeline with crawl analysis, desktop/mobile captures, contact-feature detection, and confidence-weighted opportunity scoring
- Designed an evidence-first outreach workflow that selects one credible sales angle per prospect and avoids unsupported recommendations when a feature already exists
- Integrated Gmail OAuth for draft approval, controlled batch delivery, activity tracking, duplicate-send prevention, and send-failure logging
- Added local-business discovery through OpenStreetMap and Geoapify with category/city search, Prospect Fit scoring, contactability signals, and CSV import/export

Day One — B2B SaaS Team Knowledge Platform

Personal Project — Next.js 14, TypeScript, FastAPI, LangChain, Groq API, Supabase (PostgreSQL/pgvector), Vercel, Railway

- Architected and shipped an AI-powered knowledge platform end to end, designed to eliminate institutional knowledge loss when senior engineers leave teams
- Built a RAG pipeline (Ask Repository) using LangChain and the Groq API with pgvector for semantic search, delivering source-grounded answers from team documentation and codebases
- Implemented Architecture Intelligence visualizations using React Flow and D3.js, Pattern Detection, ADR Management, and AI-powered onboarding flows across 8 core features

Aria — Adaptive Reasoning and Intelligence Assistant

Personal Project — Next.js 16, React 19, TypeScript, Three.js, React Three Fiber, Framer Motion, GSAP, Groq API, Supabase (pgvector), Zustand

- Building a spatial AI assistant with a reactive 3D particle orb as the interface, surrounded by floating glass HUD panels styled like an Iron Man workshop
- Implemented intent classification routing incoming messages across agenda, project status, task management, and casual chat via Groq API with confidence-based clarification flows
- Built a full Supabase schema including vector-embedded memory chunks (pgvector, 384-dim), sessions, tasks, daily briefs, and HUD data cache with a responsive 2D fallback layout below 768px

OneTap — Multi-Tenant Community Management Platform

Personal Project — Laravel, MySQL, PHP, Livewire, JavaScript, Resend API, Railway

- Built a full-featured multi-tenant community platform supporting issue reporting with interactive maps, facility reservations, resident management, and AI chatbot assistance
- Integrated the Resend API for automated email notifications and deployed on Railway with a custom GoDaddy domain

EDUCATION

BS Information Technology — Web Applications Development

2022 – 2026

University of San Jose-Recoletos, Cebu City, Philippines

- Submitted two projects to Solutionsfest 2026: BantayKo (AI personal safety app) and a barangay community digitization platform
- Bronze Loyalty Award recipient. Active in sports and esports competitions throughout university

CERTIFICATIONS

- IBM Generative AI for Growth Marketing Specialization (Coursera) — Generative AI Intro and Applications, Prompt Engineering Basics, AI-driven Growth Marketing Strategy
- AWS Cloud Foundations Academy Graduate — Amazon Web Services
- AWS Cloud Operations Certificate — Amazon Web Services
- Alliance Software Engineering Program Certificate — React, JavaScript, TypeScript, .NET, C#