

Ken Patrick Garcia

AI Full-Stack Engineer — RAG pipelines · AI agents · automation

Metro Manila, Philippines (Remote-ready) kenpatrickgarcia123@gmail.com kenbuilds.tech
github.com/KpG782 LinkedIn

SKILLS

Languages	Python, TypeScript, JavaScript, Java, Kotlin, SQL, HTML5, CSS3
AI / ML	RAG pipelines (pgvector · ChromaDB · sentence-transformers), AI agents (LangGraph · Vercel AI SDK · durable workflows), LLM APIs (Claude · Gemini · OpenAI · Groq · OpenRouter), local inference (Ollama · Gemma · YOLO→TFLite), Rasa, n8n Automation, TensorFlow, Scikit-learn, Computer Vision, NLP, Recommendation Systems
Frontend & Mobile	React.js, Next.js, React Native (Expo), Flutter, Astro, Three.js, TailwindCSS, Responsive Design
Backend & DB	Node.js, Spring Boot, FastAPI, PostgreSQL (pgvector · RLS), Supabase, Firebase (Auth · Firestore · Hosting), Drizzle ORM, Prisma ORM, Redis, RESTful APIs, Socket.io
DevOps & Cloud	AWS (EC2 · S3 · VPC · EBS), GCP (Cloud Run · Gemini API — Google Gen AI Academy APAC), Docker, Kubernetes (learning), GitHub Actions, CI/CD Pipelines, Vercel
Specialized	IoT Integration, Real-time Data Processing, WebSockets, Performance Optimization, GDPR Compliance
AI Workflow	AI-native development — Claude Code on Claude Max (daily agentic coding, custom skills & automation), ChatGPT Pro (research & prototyping), self-hosted Ollama + Open WebUI for local models

EXPERIENCE

- Romega Solutions · AI Full-Stack Engineer (Part-Time)** Jul 2025 – Present · El Segundo, CA (Remote)
- Built an all-in-one internal operations platform (PM/ticketing, attendance, recruiting ATS, LMS, AI reporting) serving a distributed team — 46 pages, 56 API routes, and a 31-table Postgres schema in ~42K lines of TypeScript, shipped solo in ~3 months.
 - Led a zero-downtime migration off a third-party PM SaaS: rebuilt ticketing natively (kanban, sprints, comments, activity feeds), migrated SQLite → Supabase Postgres with Drizzle ORM, and replaced custom JWT auth with Supabase Auth + Google OAuth.
 - Integrated LLM features (daily executive briefings, AI status-report drafting) and n8n automations (resume parsing, applicant comms, multi-step onboarding sequences) directly into business workflows — outputs land in human review queues, never auto-publish.
 - Shipped production RAG chatbots with vector embeddings (ChromaDB · sentence-transformers) and Google Gemini for customer interactions and workflow automation.
- CodeVF · Software Engineer (Contract)** Feb 2026 – Apr 2026 · US (Remote)
- Engineered a real-time collaboration platform with WebSocket architecture, enabling live debugging sessions between customers and engineers with bidirectional communication for code review and remote assistance.
- University of Makati · AI Workflow Automation Engineer (Part-Time)** Jan 2026 – Apr 2026 · Makati (Remote)
- Developed intelligent automation workflows using n8n to streamline university administrative processes and data management.

Pacebeats · Lead Software Engineer (Full-Time)

Aug 2025 – Mar 2026 · Makati (Remote)

- Architected a biometric music platform (1st Runner-Up, InfoTech Olympics 2025) with a WearOS app (Kotlin, Health Services API), Kotlin Android app, React/TypeScript dashboard, and Supabase backend.
- Built a hybrid recommendation engine combining rule-based pace-to-BPM mapping with content-based ML scoring on user listening patterns, achieving real-time playlist adaptation.
- Engineered the WearOS companion with GPS tracking, heart-rate monitoring, Data Layer API sync, Spotify SDK integration, and 8+ hour battery optimization.

Commission on Elections (COMELEC) · Technical DESO Support Staff (Contract)

Jul 2025 – Oct 2025 · Makati

- Installed and configured Vote Counting Machine (VCM) hardware — CF/SD cards, thermal printers, modems, batteries — for Final Testing & Sealing and Election Day operations.

Concentrix · Technical Support Representative

Feb 2024 – Sep 2024 · Mandaluyong

- Provided technical support for a major enterprise SaaS productivity platform (client under NDA), troubleshooting complex issues across identity management, cloud services, and software configuration.

EDUCATION

University of Makati · BS Computer Science, Major in Application Development

Expected 2026 · Makati City

- Coursework: Machine Learning, Artificial Intelligence, Data Structures & Algorithms, Database Systems, Software Engineering, Mobile Development, IoT Systems.

Technological Institute of the Philippines · BS Computer Science

2020 – 2021 · Manila

AWARDS & HONORS

- **1st Runner-Up** — InfoTech Olympics 2025 (University of Makati), Android App Development: Productivity (Pacebeats)
- **Top 10 Finalist** — DOST-TAPI Regional Invention Contest 2025, 53 entries (HerbaLens)
- **Best Paper Presentation** — 8th Research Congress, University of Makati (ARS)
- **Champion** — C(Old) (St)art Hackathon 2025 by Old St. Labs

LEADERSHIP & COMMUNITY

- **Speaker** — Qwen Meetup Manila #2 (Alibaba Cloud PH), 2026
- **DataCamp Scholar** — Data Engineering Pilipinas, Nov 2025 – Present
- **AWS Community Officer** — AWS User Group PH, Community Day 2026
- **Technical Committee** — UMak Computer Society, 15+ campus events

LANGUAGES

Filipino (Native) · English (Professional)