Raidel Martínez Santos

SOFTWARE ENGINEER — BACKEND & AI AUTOMATION

- Remote · open to relocation
- yoshilol0526@gmail.com
- github.com/YoshiLoL0526
- linkedin.com/in/raidel-martínez-santos

STACK

Languages

Python · TypeScript · JavaScript · SQL · Rust ·basic · Lua

Backend

FastAPI · Flask · NestJS · Fastify · SQLAlchemy · Prisma · Alembic · Pydantic · REST · WebSocket · SSE · JWT / RBAC

Frontend

React · Next.js · React Native · Vite · Tailwind CSS · Zustand · Radix UI · Tiptap · PixiJS

AI & Automation

LLM agents · MCP · RAG · OpenAI · Anthropic · Ollama · ChromaDB · vector search · n8n

Data

PostgreSQL · SQLite · ChromaDB · Redis

Infra & Tooling

Docker · Nginx · GitHub Actions · Linux · PyInstaller / PyWebView · pytest · Vitest · Playwright

EDUCATION

B.Sc. in Computer Engineering
Universidad de Oriente — Santiago de Cuba, Cuba
2021 – 2024

PROFILE

Software engineer with 4+ years building full-stack products and AI-automation systems. I work mainly in Python (FastAPI) and TypeScript (NestJS, Next.js, React), with focused experience in LLM agents, the Model Context Protocol, and n8n workflow automation. Comfortable across the whole delivery cycle — API and data-model design, real-time systems, multi-tenant infrastructure, and desktop packaging — and used to owning projects from the first commit to production.

EXPERIENCE

Software Engineer — Freelance / Self-employed

Aug 2022 — Present
Remote

- Deliver full-stack web apps and AI-automation systems end to end for clients — architecture, implementation, deployment, and maintenance.
- **InvokeIA (current engagement):** building a clinical management and AI automation platform for clinics.
- The product covers scheduling, clinical records, sales and invoicing, automation workflows and patient communications.
- It also includes reporting, AI agents and a DICOM viewer for X-rays and CT scans.
- Main stack: **Next.js / React**, **Python / FastAPI**, **n8n**, **PostgreSQL** and **Docker**, with WhatsApp Business API integrations.

Software Developer — Desoft

Sep 2024 — Jan 2025
Santiago de Cuba, Cuba

- Backend developer on enterprise software projects — relational and NoSQL data modeling and business-process automation.
- Contributed to API design, database schemas, and internal tooling within an agile team.

LANGUAGES

Spanish	Native
English	B2
Portuguese	A2

SELECTED PROJECTS

Team Flow

NestJS · Prisma · PostgreSQL · Re…

Full-stack team-collaboration platform: per-team dynamic RBAC, TOTP two-factor auth, an AES-256-GCM credential vault with a full audit log, real-time chat and notifications over Socket.IO, and Kanban / list / calendar / timeline task views.

agent-sdk

Python · asyncio · Pydantic

Async-first SDK for building LLM agents. Swappable providers (Anthropic / OpenAI / Ollama), pluggable memory (SQLite FTS5, files, ChromaDB), three runtime modes (conversational, ReAct, autonomous), an event + plugin system, and multi-agent orchestration via sub-agent tools.

Mnemosyne

ChromaDB · MCP · Typer

Long-term vector-memory system for AI agents and developers: local embeddings, multi-project semantic search, a Rich/Typer CLI, and an MCP server that gives editor agents persistent project memory. github.com/YoshiLoL0526/mnemosyne

mcp-toolkit

FastMCP · Playwright

General-purpose Model Context Protocol server: web search and scraping, generic HTTP, sandboxed Python/JS execution with timeouts, persistent SQLite memory, and timezone/date utilities. github.com/YoshiLoL0526/mcp-toolkit

Paris System

FastAPI · SQLAlchemy · React · Py…

Desktop management app for a formalwear-rental store. Modular FastAPI backend (SQLAlchemy, Alembic, JWT, RBAC, audit trail) with a React/Vite frontend, shipped as a single Windows executable via PyInstaller + PyWebView.

Video Editor

React 18 · TypeScript · ffmpeg.wa…

Local-first video editor for web and desktop (MIT). Client-side processing with ffmpeg.wasm / WebCodecs, a `.vproj` data model with migrations, undo/redo history, File System Access API persistence, and a platform-adapter layer ready for Tauri.

More at github.com/YoshiLoL0526 — Local Share (mDNS + TLS file transfer), Lily Flans & Home Budget (React Native, multi-currency), Toolkit (local web utilities).