



Dani Alvarez

AI Full-Stack Developer · RAG & Agentic Systems

Python · Next.js · TypeScript · LangChain · RAG

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GitHub: github.com/tekodan

Independent contractor · Remote · Eastern Time (ET)

PROFESSIONAL SUMMARY

AI Full-Stack Developer with 14+ years building production software — from scalable APIs and distributed systems to AI-native products. I design and ship RAG pipelines (Python, LangChain, ChromaDB, local models via Ollama), agentic workflows, and the full-stack applications that bring them to life. My e-commerce and enterprise background (PHP, Adobe Commerce, NestJS, GraphQL Federation, AWS EKS) is the foundation that makes my AI work production-grade. Systems Engineer with postgraduate background in software engineering and cybersecurity — including OWASP and AI security practices. I work as an independent contractor — remote-first, async-friendly, and available worldwide.

TECHNICAL SKILLS

AI & AGENTIC

RAG LangChain Gemma 4 ChromaDB Vector DBs Prompt Engineering AI Agents Function Calling Ollama n8n

CYBERSECURITY & AI SAFETY

Cybersecurity OWASP AI Security Prompt Injection Defense

BACKEND

PHP Adobe Commerce Laravel Python FastAPI Django Node.js NestJS

FRONTEND

Next.js React TypeScript Tailwind CSS Less Astro Angular

APIS & ARCHITECTURE

REST APIs GraphQL API Design & Architecture Distributed Systems

CLOUD & DEVOPS

AWS DigitalOcean Vercel Docker Kubernetes CI/CD DevOps GitHub GitLab Bitbucket

DATABASES

PostgreSQL Supabase MariaDB Oracle Meilisearch

ENGINEERING PRACTICES

Backend Engineering SOLID Principles Clean Code Test-First Mindset Unit, Integration, and E2E Testing

Spec-Driven Development

LEADERSHIP

Scrum Master Agile Coach

PROFESSIONAL EXPERIENCE

AI Full-Stack Developer

Independent / Ronin — Remote

2024 – Present

- Built Enola, an AI digital investigation assistant — a Python RAG pipeline grounded in Google Gemma 4, orchestrated with LangChain and stored in ChromaDB, delivered through a streaming conversational interface.

- Designed and shipped agentic workflows and RAG systems integrating LLMs with real data sources using LangChain, n8n, and local models via Ollama.
- Applied OWASP and AI security practices — prompt injection defense and guardrails — across AI features.

Senior Backend Engineer

Deviget LLC — New York, USA (Remote)

2022 – Present

- Architected and maintained a headless Adobe Commerce platform using React, Next.js, and NestJS microservices on AWS EKS.
- Designed scalable APIs and GraphQL Federation layer for enterprise e-commerce integrations.
- Improved platform performance, deployment reliability, and CI/CD workflows for a high-traffic production environment.

Team Lead / Senior Developer

Omnipro — Panama (Remote)

2023 – 2024

- Led the development of the new RadioShack e-commerce platform for Central and South America.
- Delivered headless commerce solutions for global brands including The North Face and Converse.
- Managed cross-functional development teams under Agile methodology using Adobe Commerce.

Semi Senior Magento Developer

Suma Solutions — Argentina (Remote)

2021 – 2022

- Developed large-scale Adobe Commerce implementations for Blue Star Group (Todomoda & Isadora) across 11 countries.
- Optimized checkout flows and inventory synchronization for high-traffic retail storefronts in LATAM.

Developer / Founder

Udoc / Sion Ingeniería — Colombia

2020 – Present

- Co-founded and developed ClinicalApp, a SaaS practice management platform for health clinics built with Laravel and Android.
- Implemented digital health records with interactive odontograms and automated scheduling systems.

Full-Stack Developer

Various Agencies & Freelance — Latin America

2012 – Present

- Built and maintained business-critical software for diverse clients including Compuconta (ERP) and retail brands like FYA Ferretería and Sole Peru.
- Modernized legacy PHP systems using Laravel and Symfony frameworks for improved scalability.

Project Manager / Digital Innovation

Gobernación de Nariño — Colombia

2016 – 2019

- Directed the development of GanaPAE Software, a nationally awarded transparency platform for school feeding programs.
- Led the Museo Virtual del Carnaval project, an immersive 3D experience using photogrammetry to preserve regional heritage.
- Architected ERIS, the first digital mapping platform for social innovation initiatives in the department.

KEY PROJECTS & PRODUCTS

Enola — Investigadora Digital

Ronin · 2026

AI-powered digital investigation assistant built on a Python RAG pipeline grounded in Google Gemma 4. LangChain orchestration with ChromaDB vector storage; retrieves and synthesizes evidence with a conversational, streaming interface.

Technologies: Python · RAG · Gemma 4 · LangChain · ChromaDB · AI Agents · Streaming

RadioShack (Unicomer)

Unicomer · 2024

Total redesign of the e-commerce platform for Central and South America. Implementation of a unified backend for multi-country management and integration with global marketplaces like Amazon and Walmart.

Technologies: Adobe Commerce · Magento · PHP · Elasticsearch

Sole

Summa Solutions (Infracommerce) · 2022

Conversion-oriented platform for household appliances. Includes technical installation scheduling directly from the checkout and integration with local payment gateways.

Technologies: [Magento](#) · [PHP](#) · [MySQL](#) · [ERP Integration](#)

Todomoda

Blue Star Group · 2021

Implementation of the e-commerce platform under a "Phygital" strategy for the leading accessory brand in LATAM. Integration of 11 physical stores with the digital channel and optimization for high-demand events like Hot Sale.

Technologies: [Adobe Commerce](#) · [Magento](#) · [PHP](#) · [MySQL](#) · [Redis](#)

Isadora

Blue Star Group · 2021

Deployment of online stores with a focus on personalization and real-time inventory synchronization across 11 countries. Scalable architecture built on Adobe Commerce to support global traffic peaks.

Technologies: [Adobe Commerce](#) · [Magento](#) · [PHP](#) · [Varnish](#) · [MySQL](#)

FYA Ferretería

Summa Solutions (Infracommerce) · 2021

Development of a hybrid B2B/B2C e-commerce portal for construction materials. Features advanced faceted search for complex technical catalogs and custom pricing rules.

Technologies: [Magento 2](#) · [PHP](#) · [MySQL](#) · [Elasticsearch](#)

ClinicalApp (Sion Ingeniería)

Sion Ingeniería · 2020

SaaS for digitizing medical and dental processes. Includes electronic health records with interactive odontograms, appointment scheduling, and administrative management for clinics.

Technologies: [PHP](#) · [Laravel](#) · [SQL Server](#)

GanaPAE

Narino Government · 2017

Transparency platform awarded the national INDIGO 2017 Prize (MinTIC) and the Ingenio 2018 Prize (Fedesoft) for open government innovation. (Project currently non-operational).

Technologies: [PHP](#) · [MySQL](#) · [Google Maps API](#) · [Open Data](#) · [Java](#) · [Android](#)

Compuconta

Compuconta Software · 2012

Modernization of a leading ERP for public and private sectors in Colombia. Development of electronic payroll, invoicing, and accounting modules using PHP (Laravel/Symfony) standards.

Technologies: [PHP](#) · [Laravel](#) · [Symfony](#) · [MySQL](#) · [React](#) · [PostgreSQL](#)

EDUCATION

Master's in Software Engineering and Management

UTEL University — 2023

Specialist in Cybersecurity

UNAD

Systems Engineer

UNAD

AWARDS & RECOGNITION

- National INDIGO Award - Innovation in Open Government — Colombian Ministry of ICT (MinTIC) - GanaPAE (2017)
- Ingenio Award - Best Social Impact Software — Fedesoft - GanaPAE & Museo Virtual del Carnaval (2018)
- World Best Practice in Open Government Recognition — UNDP - Dale la Pata Platform (2019)

CERTIFICATIONS

AI Engineer

Ligency

ID: [UC-54e7cc12-15ed-425f-b72f-000410837890](#)

Agile Coach Accredited Certification

International Scrum Institute · 12/2021

ID: [07376320637296](#)

Cybersecurity Expert

CertiJoin · 12/2021

ID: [3QNdTJdALS](#)

Scrum Foundation

CertiJoin

ID: [wA4w9Ws7Yu](#)

Software Tester

Testing Institute · 12/2021

ID: [12600370833184](#)

Leadership Diploma

University of Rioja · 12/2020

Digital Marketing Professional Certificate (DMPC)

CertiProf

ID: [TlSQVDHHKG-MTPHSSHQ-RPSDTRKSDH](#)

Scrum Master

CertiJoin · 12/2020

ID: [nfBfKZ3TL6](#)

DevOps Architect

International DevOps Certification Academy · 12/2021

Design Thinking Diploma

University Mariana · 12/2017

LANGUAGES

Spanish — Native · English — Professional Working Proficiency