

Jayer Sanchez

AI & Blockchain Solutions Architect | Technical Architect | LLM Integrator | Web3 Systems Designer

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Professional Summary

Seasoned Solutions Architect with 10+ years delivering production-ready AI and blockchain systems. I specialize in designing LLM-integrated platforms, agentic AI, and custom Web3 protocols — turning emerging tech into real-world business outcomes.

Proven success architecting end-to-end systems across recruitment, DeFi, analytics, and SaaS. Skilled at bridging technical vision with execution for startups and enterprise clients.

Core Capabilities

Artificial Intelligence & Automation

- LLM integration (OpenAI, Gemini, HuggingFace, Claude)
- GPT-based agent frameworks with memory + tools (ElizaOS, Ardent)
- Fine-tuning, vector search, RAG pipelines
- Embeddings, LangChain, semantic Q&A systems
- Python, Flask, FastAPI, PostgreSQL + pgvector

Blockchain & Smart Contracts

- Ethereum + Solidity (ERC20, staking, escrow)
- Tokenomics design and custom DAO tools
- On-chain donation & impact tracking systems (GENA)
- Web3/DeFi integration with KuCoin, OpenBB SDK
- Wallet and smart contract orchestration

Systems Design & DevOps

- Enterprise AI/ML & blockchain architecture
- Multi-service backend design (Flask, Node.js, Spring Boot)
- GCP, AWS, Azure, SAP BTP
- Docker, Kubernetes, CI/CD, GitOps

Selected Projects & Impact

- Virland AI — Autonomous AI Platform

Lead Architect | 2018–Present

- → Built end-to-end AI agents for job search, market analysis, and trading automation. Integrated GPT with semantic matching and memory modules.
- → Enabled talent-recruiter matching, proposal generation, and portfolio scoring.
- GENA — On-Chain Philanthropy Token

Founder & Architect | 2023–Present

- → Designed and deployed Ethereum smart contracts for donation, staking, and transparent giving.
- → Integrated NFT receipts, DAO governance logic, and a future staking dashboard.
- LooKK.ai — AI-Powered Recruitment

Architect | 2024–2025

- → Built AI-driven talent engine using fine-tuned LLMs + embeddings. Powered semantic job matching, resume scoring, and automated outreach.
- ElizaOS — Agentic AI System

Lead Developer | 2022–2024

- → Created a modular AI agent capable of autonomous job search, email writing, and freelancer bidding.
- → Runs on local fine-tuned models with custom tooling.
- Amihan Solutions — SAP SuccessFactors Integrator

Senior Architect | Jul–Dec 2024

- → Integrated SAP SuccessFactors with PostgreSQL and external cloud tools.
- → Delivered high-performance, scalable APIs using Agile Sprints.
- JobDeal — Freelance Platform with Embedded AI

Interim CTO | 2022–2024

- → Architected the backend stack and embedded ElizaOS as internal bidding AI.

Early Experience

Shyft Network — Fullstack Solidity + MERN Dev *2018–2020*

Fujitsu Global — Senior Consultant, Spring + Oracle *2015–2017*

BC Ferries — Jasper Report + SQL Dev *2018–2019*

SaskPower — SAPUI5 + React Native Developer *2012–2015*

Research In Motion — Mobile Developer (BlackBerry) *2011–2012*

Quest Diagnostics / DHS Florida — ETL & Public Health Dev (MUMPS, Cache) *2007–2010*

Certifications

- Databricks Certified Data Engineer Associate
- Blockchain Smart Contract Developer Certification
- SAP Associate Certificate

Education

CompuCollege School of Business

Associate's Degree, Computer Programming & Systems Analysis — 1998

Cosumnes River College

Certificate, EHR Systems (HCIT Implementation Support) — 2006