

Jeffrey Sánchez

Fullstack Software Engineer · 12+ Years Experience

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PROFESSIONAL EXPERIENCE

- Software Go Engineer** · Bitget · Remote · Contract 2025 – Present
- Improved throughput ~35% by refactoring blocking calls into concurrent goroutine pipelines without additional infrastructure.
 - Enhanced on-call efficiency via AI-driven analysers in the Oncall Agent, used Golang, LLMs, and vector DBs to rank events, correlate error logs with code locations, and suggest root causes, reducing on-call burden significantly.
- Senior Software Engineer** · Arajet · Santo Domingo, DO · Hybrid Feb – May 2025
- Boosted data processing 3× with Python pipelines, mentored 6+ developers in best practices and commit discipline.
 - Standardized development framework and architecture, contributing to the core of new.arajet.com.
- Senior Software Engineer – (AI Consultant)** · GNS · Cali, Colombia · Remote Sep – Nov 2024
- Architected AI agent orchestration services (Python/FastAPI) integrating LLMs for intent detection and quality monitoring.
 - Designed full observability stack (Grafana/Loki/Prometheus), active Pipecat open-source contributor.
- Senior Software Engineer** · CRECER-LAB · Santo Domingo, DO · Hybrid Mar – Jul 2024
- Led backend architecture design for core product features focused on performance and scalability.
 - Mentored junior developers, established code review standards and CI/CD workflows.
- Senior Software Engineer** · Antillean Software (AS) · Santo Domingo, DO · Hybrid May 2023 – Feb 2024
- Led migration from legacy monoliths to microservices using FastAPI/Alembic, spearheaded AWS deployments with Docker/K8s.
- Senior Software Engineer** · ED-FI Alliance · Austin, TX · Remote May 2022 – Mar 2023
- Architected ETL data lake pipeline with Dagster on AWS, enabling customer-facing visualisation via Power BI.
- Senior UI Engineer ↑ / Software Engineer** · CBORD · Ithaca, NY · Remote · via Quantum Dec 2019 – Mar 2022
- Drove Angular version migration, enhanced mobile UX with Ionic/RxJS, promoted after first year for technical impact.
- Software Engineer** · ABI Document Support Services · Phoenix, AZ · Remote · via NewTech Aug 2017 – Oct 2019
- Developed and maintained enterprise C#/.NET MVC/Angular applications, coordinated end-to-end delivery.
- Software Engineer** · Citibank · Santo Domingo, DO · On-site Feb 2015 – Nov 2016
- Rewrote 30+ stored procedures cutting transaction time ~45%, migrated apps to async/await, eliminating UI freeze for operators.
- Junior Software Developer** · Contraloría General de la República Dominicana · On-site Jan 2013 – Dec 2014
- Built internal government apps in C#/.NET supporting financial control and auditing workflows.

PROJECTS

- Real-time Voice AI Agent** : Pipecat/FastAPI pipeline with LLMs for speech-to-intent. **ETL Data Lake Pipeline** : Dagster/Power BI.
- Facial Recognition System** : Real-time auth with OpenCV. **Go CLI Tools** : Concurrent downloader, stock tracker, AES-256 library.

EDUCATION

- B.Sc. Computer Science**, Universidad Nacional Pedro Henríquez Ureña (UNPHU), Santo Domingo 2011 – 2017
- A.S. Software Development**, ITLA, Santo Domingo 2010 – 2014

SKILLS

Languages	Python, Go, C#, TypeScript	Frameworks	FastAPI, React, React Native, Node.js, .NET MVC
AI / ML	LLM APIs, Pipecat, Genesys Cloud AI, TensorFlow	Observability	Grafana, Loki, Prometheus
Databases	PostgreSQL, MongoDB, Redis, SQL Server	Infra	Docker, AWS, CI/CD, Git, Bash
Spoken	Spanish (native) · Portuguese (conversational)	Tools	Linux, Bash scripting, gRPC, REST APIs, WebSockets

CERTIFICATIONS

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|---|--|-------------------------------------|
| gRPC [Golang] Master Class | Go Bootcamp: Master Golang | AWS ML Specialty 2025 |
| Deep Learning & Neural Networks in Python | ML, Data Science & AI Engineering with Python | Next.js 15 & React – Complete Guide |
| Introduction to Redis for AI | React – Complete Guide 2025 (incl. Next.js, Redux) | |