Renato Pérez

Full-Stack AI Engineer

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📍 Guatemala|World

Skill Set

Amazon Cloud	Apollo
Cloudflare	Cypress
Docker	Google Cloud
GraphQL	Javascript
Langchain	LangGraph
Linux	MongoDB
Next.js	NodeJS
Playwright	PostgresQL
Prisma ORM	Pulumi
React	Supabase
Svelte	TailwindCSS
Terraform	Typescript

Languages

🇬🇧 English: Fluent

🇪🇸 Spanish: Native

About

With over a decade of experience, I have evolved from a hands-on developer to a leader directing teams on enterprise-grade applications for millions of users. My work bridges modernizing legacy systems and building future-forward architectures. Proficient in **Full-Stack Typescript, AWS, IaC, and E2E testing, I now specialize in Generative AI, integrating LLMs (OpenAI, Anthropic, Bedrock) with LangChain/LangGraph and vector databases.**, I deliver intelligent, adaptive systems that meet strategic business objectives and elevate user experiences by merging cutting-edge web development with AI innovation.

Tech Roles

Generative AI Engineer

Jan 2025 - Present; Contractor

Generative AI Lead | Multi-National Healthcare Network

-Spearheaded the technical strategy for a new, organization-wide Generative AI initiative, partnering with cross-functional stakeholders to define a roadmap for web-based Gen AI solutions:

-Architected and delivered a full-stack proof-of-concept (POC) for an AI-powered appointment scheduling chatbot. The solution was built with Next.js, LangChain/LangGraph, and a Pinecone vector DB, leveraging models from Anthropic and Qwen via Amazon Bedrock and DeepInfra to reduce administrative workload and patient wait times.

-Designed the technical framework for key Gen AI enterprise objectives, including automated clinical documentation, error-reduction in billing and claims, and streamlined insurance verification.

-Engineered the architectural transition from the Initial LangGraph agent tools(local) to Remote MCP Servers, preparing the system for enterprise-wide deployment and maintainability.

`Next.js` `Typescript` `Langchain` `LangGraph` `LangGraph-Server`

Express

Mar 2024 - Dec 2024; Contractor

Shopify Custom storefront

-Crafted effective Full-stack solution using React, Typescript, Next.js(App Router), TailwindCSS and Shadcn. Deployed to AWS

-Led cross-functional collaboration to transform complex workflows into agile, user-friendly applications, demonstrating both technical expertise and a strong focus on user experience.

-Delivered LLM-driven features integrating LangChain, LangGraph.js. Agents that orchestrate tools for semantic search, personalized product suggestions, and automated order follow-up

-Built out Next.js solutions using React Server Components and Server Actions to handle data fetching/streaming, caching, and preloading in a modern way. Focused on optimizing performance behind the scenes while keeping the user experience smooth and snappy.

-Built an API layer consuming Shopify's Storefront GraphQL API

`Shopify API` `Next.js` `Tailwindcss` `Langchain` `Amazon web services`

Previous Tech Roles:

Parkmobile US/EasyPark WEB
Jun 2023 – Mar 2024; Contractor
ParkMobile North America|EasyPark Europe Web products

-Engineered and maintained a high-traffic React (JavaScript)/Next.js application behind a custom Node.js proxy, reliably serving millions of monthly active users; enforced quality through unit/e2e testing with Jest and Cypress.
-Implemented core features enabling streamlined discovery, reservation, and payment processing for parking spaces.
-Pursued Site Reliability Engineering principles to guarantee robust uptime, scalability, and peak performance.
-Strengthened security with a Web Application Firewall (WAF) and instituted advanced observability using Datadog and Sentry.
-Built Next.js (EasyPark) capabilities designed for European drivers, complete with dynamic multi-language support.

React   Next.js   Javascript   NodeJS   Sentry   Amazon web services   multi-lang

Arrival
May 2022 – May 2023; Contractor
Admin Dashboard

-Engineered a high-impact Supply Chain Management dashboard that leverages real-time, action-oriented data visualizations for robust operational insights.
-Architected a SvelteKit-based frontend optimized for speed, consistently delivering core web vitals team goals
-Implemented a modular GraphQL API architecture (GraphQL Modules) enabling flexible schema composition, streamlined testing, and simplified maintenance.
-Automated the entire design-system pipeline, integrating brand assets and design principles for faster, more consistent UI delivery.
-Unified design tokens using Style Dictionary, transitioning from tool-specific formats (Figma/Sketch/XD) to a single source of truth for web, iOS, Android, Flutter, and React Native in a monorepo environment.

Svelte/Sveltekit   GraphQL   Typescript   NodeJS   Apollo GraphQL   Google Cloud   Postgresql

PickFu
Sept 2021 – Apr 2022; Full-Time Remote
Revamp of monolithic web application

-Transitioned a monolithic Ruby on Rails architecture into a high-performance Next.js SSR/SSG application, enabling multi-language capabilities and seamless third-party API integrations.
-Architected an auto-scaling AWS Serverless backend stack harnessing API Gateway, Lambda, Step Functions, SNS, and SQS to achieve full operational observability and fault-tolerant performance

Amazon web services   Next.js   Typescript   React   NodeJS   Prisma ORM   Postgresql

3Pillar Global

Jan 2020 - Jan 2021; Full-Time Remote
Travel App

-Engineered a cross-platform client application from the ground up, harnessing React (Next.js) and React Native (iOS/Android) to deliver a cohesive user experience across devices
-Implemented a flexible authentication setup covering both good ol' email/password and federated logins through Firebase. Handle global state using React Redux and Sagas for the side effects. Kicked off a custom(decoupled/extendable) payment system from the ground up, wiring in Stripe as first strategy

Google Apigee   Google Cloud Platform   Next.js   Typescript   React   NodeJS   MySQL

BairesDev

May 2018 - Dec 2020
Javascript/Typescript Engineer

-Leading full-stack architecture and development from the ground up for greenfield projects, weaving strategic vision with technical grit to empower seasoned clients and startups alike.
-Implemented scalable front-end solutions using Angular v8+, engineered advanced chat backends on Node.js, and deployed full-stack MEAN applications for robust web experiences

Linux Server   Javascript   Typescript   Google Cloud Platform   NodeJS   Angular Framework

Letulet

Jun 2017 - Feb 2018; Contractor
Home Sharing App

-Orchestrated the complete product lifecycle—encompassing technical definition, architectural design, iterative development, rigorous testing, and final deployment—to ensure robust, enterprise-grade outcomes
-Engineered a dynamic Angular v2+ frontend integrating secure multiparty payments via Stripe, and implemented a scalable Java-based backend on AWS EC2 for high-availability performance

Angular Framework   Amazon web services   Javascript   Typescript   Java

Foodologist

Jan 2015 - Jan 2017; Contractor
Nutrition API: nutrition data, recipes, ingredients, restaurants, visualizations

-Spearheaded the build-out of a microservices-based API framework using Docker to keep things humming, paired with CI/CD pipelines for smooth sailing uptime and easy scaling
-Set up and kept tabs on AWS infrastructure powering RESTful APIs (Node.js, PHP/Laravel, Python), tweaked for top-notch speed and ironclad security.
-Crafted and rolled out a JavaScript SDK (npm), that allowed developers to easily tap into the API, making it a breeze to whip up apps and services that leverage our data.

Amazon web services   NodeJS   NPM   Javascript   Laravel   Python