Jeremy López

SENIOR FULL-STACK ENGINEER · REACT & NEXT.JS · NODE.JS / NESTJS · PYTHON · CLOUD

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Senior full-stack engineer with 8+ years building end-to-end web applications across e-commerce, media & streaming, health, and banking. Strong in React / Next.js and TypeScript on the front end, and Node.js (NestJS) and Python on the back end, with production experience integrating AI and LLM features (OpenAI, Anthropic). Comfortable across the full lifecycle — design systems, APIs, data, testing, and cloud deployment on AWS and GCP with Docker and Kubernetes.

AI / LLM	LLM-powered features · OpenAI · Anthropic · Claude Code · Cursor · MCP · TensorFlow
LANGUAGES	TypeScript · JavaScript · Python
FRONTEND	React · Next.js · React Native · Redux · Zustand · Tailwind · Material UI · Storybook · D3 · WCAG
BACKEND	Node.js · NestJS · Express · FastAPI · Apollo GraphQL · REST · WebSockets · SSE
DATA & CLOUD	PostgreSQL · MongoDB · Redis · Docker · Kubernetes · Helm · AWS · GCP
QUALITY & CI	Cypress · React Testing Library · Jest · Vitest · GitHub Actions · Jenkins · Agile / Scrum

EXPERIENCE

Kake

Jun 2024 – Present · Remote

Senior Front-End Engineer

Senior engineer embedded with client product teams. Selected engagements:

Swap Commerce · AI-powered shopping platform (fashion)

Core engineer on an AI-powered storefront — conversational shopping, live virtual try-on, and merchant analytics — including the flagship experience built for Paul Smith.

- Built the live AI **virtual try-on**: avatar creation with photo capture and age verification, AI image-generation jobs streamed live to the browser, and secure private-media delivery — on a React 19 server-side-rendered app.
- Developed the shopping experience around the **AI assistant** — wardrobe and bag flows, buy-the-outfit journeys with size selection, product galleries, and multi-locale / multi-currency support — driven in real time by WebSockets and Server-Sent Events.
- Owned storefront **authentication** end-to-end (email OTP + Google OAuth with cart-restoring sessions) and closed an OAuth CSRF / session-fixation vulnerability using nonce-based state verification.
- Owned **merchant analytics** across the stack: an event pipeline from React instrumentation and WebSocket ingestion through a Python / FastAPI ETL into PostgreSQL, REST metrics APIs, and the dashboards merchants use for impressions, click-through, conversion and conversation topics.
- Shipped a multi-currency **FX subsystem** that corrected international revenue reporting, deployed to GKE via Helm and ArgoCD GitOps; root-caused a launch-week incident of dropped events and hardened delivery with a buffered outbox.
- Built the reusable **UI foundation** (design-system components in Storybook, a unified notification system, WCAG and pixel-accurate Figma work), rebuilt internal admin tooling replacing 4,500+ lines of legacy code, and used AI-assisted development (Claude Code, Cursor, MCP) wired to Linear and GitHub.

STACK React 19 · TypeScript · Node.js/NestJS · Python/FastAPI · WebSockets · SSE · PostgreSQL · Redis · GCP · GKE · Helm · ArgoCD

Venu · High-traffic video streaming

- Built a high-traffic streaming platform on Next.js, engineering a versatile video player for live streams, movies, and on-demand shows.
- Delivered a dynamic React / TypeScript application using Redux and Zustand for state and Tailwind for a consistent, responsive UI.

- Built advanced in-app analytics to track and visualize user interactions across the platform.
- Partnered with design in Figma to ship a reusable, scalable component library.

STACK Next.js · React · TypeScript · Redux · Zustand · Tailwind · Figma

Beachbody · Large-scale web application

- Designed an optimized component architecture for a large-scale, high-concurrency web application.
- Improved SEO to boost discoverability and search rankings.
- Refactored and removed obsolete React code, cutting bundle size by 15%.
- Built scalable, reusable components (styled-components, Tailwind) across the app, integrating REST APIs.

STACK React · TypeScript · Next.js · Tailwind · Redux · REST

Sommsation · Headless-CMS web experience

- Designed and implemented scalable Contentstack content models — content types, global fields, and taxonomies — for a modular, maintainable content architecture.
- Built React interfaces backed by the headless CMS, delivering flexible, content-driven pages.

STACK React · Contentstack · TypeScript

Truelogic Software

Oct 2020 – Jun 2024 · Remote

Senior Full-Stack Engineer

Full-stack engineering for enterprise clients across financial and commerce products.

- Designed and deployed scalable web applications on React and Next.js (12 → 13) supporting enterprise-grade financial workflows, using incremental static regeneration and the App Router for fast, maintainable pages.
- Built a **custom GPT solution** using OpenAI and Anthropic models to process and analyze company-specific data.
- Built APIs and services with FastAPI (Python), Apollo GraphQL, and REST (Node.js / Express), backed by PostgreSQL.
- Designed a scalable React component design system, documented in Storybook, integrating Material UI and Tailwind.
- Deployed and scaled web and API workloads on Kubernetes with Helm.

STACK React · TypeScript · Next.js · FastAPI · Apollo GraphQL · Node.js · Python · PostgreSQL · Docker · Kubernetes · OpenAI · Anthropic

MileIQ

Feb 2022 – Dec 2023 · Remote

Senior Full-Stack Engineer

- Built a mobile-responsive mileage-tracking web app on Next.js 14, using React Server Components for fast, dynamic rendering critical for on-the-go users.
- Led **AI initiatives** in Python: integrated an interactive chatbot powered by OpenAI / LLMs, and ran data classification with preprocessing and linear regression in Pandas.
- Migrated the mapping stack from Bing Maps to Google Maps, including routing and directions.
- Partnered with product to turn user needs into full-stack features; owned platform upgrades, optimization, and maintenance.

STACK React · Next.js · TypeScript · Node.js/NestJS · Python · GraphQL · OpenAI · Pandas · Cypress

Encora Inc.

Jan 2020 – Oct 2020 · Remote

Full-Stack Engineer

- Migrated a large codebase from Webpack 4 to 5, introducing Module Federation to share components across multiple applications and unlock modern build optimizations.
- Migrated a large React codebase from class components to hooks, improving performance with useMemo, useCallback, and memoization.
- Enhanced UX with modern React (useTransition, Suspense) and built a maintainable test suite with Enzyme and React Testing Library.
- Implemented AWS Cognito authentication.

STACK React · TypeScript · Material UI · Webpack (Module Federation) · Node.js · RTL · AWS (Cognito, CloudFront, S3)

Grupo Humano

Jan 2018 – Jan 2020 · Santo Domingo, DR

Full-Stack Engineer

- Architected and built an internal React application powering an **AI-driven kiosk** that processed handwritten medical documents, applying machine-learning / computer-vision models (TensorFlow).
- Delivered REST APIs across a Node.js / Express and Java 8 / Spring Boot backend.
- Built Jenkins CI/CD pipelines and used React Native with Redux (Thunk, Saga) for mobile-facing features.

STACK React · React Native · Redux · TensorFlow · Node.js · Express · Java 8 · Spring Boot · Jenkins · AWS (S3, EC2)

EDUCATION

B.Sc. Software Engineering
Universidad APEC (UNAPEC)
2015 – 2018

Associate, Software Engineering
Inst. Tecnológico de las Américas (ITLA)
2012 – 2014

CERTIFICATION

Scrum Foundation Professional
CertiProf (SFPC)
2019

LANGUAGES

Spanish
Native

English
Professional