

# Yovany Luis

## Full-stack Software Engineer

TypeScript · Full-stack Applications · Distributed Systems · AI-Powered Products

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## Professional Summary

Software Engineer with 10 years of experience designing, scaling, and owning mission-critical web platforms using TypeScript, React, React Native, Next.js, and Node.js across startup and enterprise environments.

Proven track record leading complex systems spanning distributed services, analytics pipelines, and AI-enabled workflows, driving measurable business outcomes such as revenue growth, conversion optimization, operational cost reduction, and reliability improvements. Known for strong architectural judgment, team leadership, and raising engineering standards through testing, observability, and automation.

## Core Skills

**Languages & Core:** TypeScript, JavaScript, SQL, API Design, Distributed Systems

**Frontend:** React, Next.js, React Native (Expo), State Management (Redux, React Query), Design Systems, Tailwind CSS

**Backend:** Node.js (NestJS, Hono), REST & Event-Driven Architectures, Authentication & Authorization (Better Auth, OAuth, RBAC), Prisma, GraphQL, and GraphQL federation

**Data, Analytics & Storage:** PostgreSQL, BigQuery, Redis, Analytics (Segment, Mixpanel, Amplitude), Data Modeling

**Cloud & Serverless:** Vercel, Supabase, Event Driven with Inngest and Trigger, Google Cloud, Kubernetes, Terraform

**AI:** Vercel AI SDK, Claude SDK, Claude Agents SDK, LangChain, AI-Driven Automation

**Testing & Observability:** Jest, Playwright, Logging, Sentry, Datadog

## Professional Experience

Senior Software Engineer & Independent Consultant

**Freelance / Contract | Jalisco, México (Remote)**

Jan 2026 - Present

Independent engineering consultant for US and LATAM startups, owning product delivery end-to-end with a focus on AI-powered features and platform stabilization.

**BridgeDoc** — Document management platform for US construction companies

- Owned a document-management dashboard end-to-end as sole engineer — database design, frontend, backend, and deployment — taking it from concept to production for US construction firms.
- Architected and shipped a dual deployment pipeline (Vercel for the app, a custom VPS pipeline for [self-hosted services/data processing]), giving the client production reliability without a dedicated DevOps team.
- Designed and delivered an AI document-ingestion workflow (Retrieval-Augmented Generation) powering a conversational agent that answers end-user questions by retrieving across hundreds of documents, replacing manual document search with instant, grounded answers.

Tech Stack: TypeScript, Next.js, tRPC, Claude agent SDK, Pgvector, Prisma, PostgreSQL, Vercel, Inngest, VPS

**Encargogo** — E-commerce platform

- Owned development and stabilization of the e-commerce platform, reducing production error rate by 20% and establishing a more reliable release process.
- Introduced observability and product analytics to surface real user behavior, then used those insights to optimize conversion flows, improving conversion by 10%.
- Stabilized and optimized the product search experience (Meilisearch) and re-tuned the MongoDB schema and indexing for performance, cutting search/query latency by 50%.
- Built AI-assisted web-scraping services to aggregate product and competitive data from external marketplaces (Amazon, eBay, and Shopify stores).

Tech Stack: TypeScript, Node.js, Fastify, MongoDB, Meilisearch, Datadog, Mixpanel, AI-assisted scraping

Senior FullStack Software Engineer — Platform & Enterprise Systems

**ImmuneFi (Web3 Security Bug Bounty Platform) | México (Remote)**

Apr 2022 - Jan 2026

- Owned platform architecture and technical direction for a multi-tenant enterprise system spanning 8+ enterprise services serving premium customers, driving scalability, security, and long-term maintainability
- Led the design of enterprise authorization and onboarding systems (RBAC, permissions, workflows), reducing onboarding time by 40% and strengthening security compliance
- Defined and implemented the company-wide analytics strategy, building a shared analytics platform processing 1M+ events/month and driving 10% conversion growth and 15% CAC reduction
- Introduced AI-driven systems using Vercel AI SDK and LangChain, including large-scale data migration (400 programs, 99.5% accuracy), AI customer support (-35% response time), and automated smart-contract discovery (300+ assets)
- Led the replacement of 80% of Contentful with a custom headless CMS, enabling self-service for 20 enterprise clients and reducing update cycles from days to hours.
- Acted as technical owner for strategic security integrations (Fuzzland, Failsafe, ChainPatrol) and enterprise incident-response systems (PagerDuty), expanding platform capabilities and reducing operational toil by >90%

**Tech Stack:** React.js, Next.js, PostgreSQL, Prisma, Redis, Tailwind CSS, BigQuery, Google Cloud, Segment, Mixpanel, Jest, Playwright, Vercel AI SDK, Langchain, Inngest

Lead Software Engineer

**Thrive Market | Jalisco, México (Remote)**

Apr 2021 - May 2022

- Owned the frontend performance strategy, reducing Time to Interactive and Total Blocking Time by 50% through architectural optimizations (ISR, code splitting, caching, lazy loading), increasing Lighthouse scores by 20+ points
- Designed and rolled out a hybrid CSR/SSR architecture, improving Core Web Vitals by 40% and directly contributing to higher conversion rates and revenue per session
- Provided technical leadership across 15+ projects and experiments (A/B tests), and authored Technical Design Documents establishing frontend engineering standards company-wide
- Partnered with Analytics and Product teams to integrate Segment and Amplitude, enabling an A/B testing platform supporting 20+ concurrent experiments
- Built a GraphQL API layer with GraphQL Federation to unify fragmented data sources under a single composable graph, enabling clean service boundaries and flexible client consumption

**Tech Stack:** React.js, Next.js, React Query, Redux, Styled Components, Amplitude, Segment, Cypress, Optimizely

Senior Software Engineer

**Luxoft | Jalisco, México (Remote)**

Apr 2020 - Apr 2021

- Designed and delivered cloud-native microservices using NestJS, Azure services like Cosmos DB, Event Grid, and Cognitive Search. Implemented event-driven architectures supporting enterprise web and mobile applications, processing 1K+ daily transactions.
- Delivered dashboards for the web and mobile applications using React and the Ionic framework.

**Tech Stack:** React, Redux, React Query, Ionic, Capacitor, NestJS, Azure Cognitive Search, Cosmos DB, Gremlin

Senior Software Engineer

**Softtek | Aguascalientes, México**

Sep 2018 - Apr 2020

- Led a team of 4 engineers delivering single-page applications for a background screening platform integrated with legacy API systems, while championing a testing excellence initiative that increased test coverage from 30% to 90%+ and significantly reduced production defects

**Tech Stack:** React, Redux, Redux-Saga, Material-UI, Node.js, Express.js, Jest, Enzyme, Cypress

Software Engineer & Independent Consultant

**Freelance / Contract | Oaxaca, México (Remote)**

Aug 2015 - Sep 2018

- Delivered custom web applications for small businesses and startups, owning full-stack development and client delivery

## Education

**Master of Science in Computer Science** | Universidad Tecnológica de la Mixteca

**Bachelor of Science in Electronics Engineering** | Universidad Tecnológica de la Mixteca

## Languages

English (C1) • Spanish (Native / Bilingual)