

Ismael Barragán López

Senior Full Stack Engineer

Senior Software Engineer with 15+ years of experience building and scaling product-focused applications across fintech and SaaS environments. I'm comfortable working across the stack, with a strong focus on building user-facing features in React and supporting them with reliable backend systems.

I focus on delivering simple, maintainable solutions to complex problems—whether that's improving user flows, building APIs, or evolving system architecture. My work has improved system reliability, reduced latency, and supported product growth.

I adapt quickly to new technologies and domains, and enjoy collaborating closely with product and design to deliver features that are both technically sound and genuinely useful for end users.

I'm comfortable working in remote, async environments where clear communication, ownership, and trust are essential.

Contact information

Senior Software Engineer at **Keep**

Oct 2023 - Current

ismael@recursivamente.com
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Skillset

Frontend & Product Development

React, TypeScript, JavaScript, SPA development, building user-facing features, SEO fundamentals

Backend Development

Node.js (Express & Next.js), Python, PHP, API design, distributed systems, event-driven architecture (RabbitMQ, Kafka)

Architecture & Systems

Microservices, scalable system design, multi-tenant systems, performance optimization

Data & Storage

PostgreSQL, SQL, Redis

Infrastructure & DevOps

AWS, GCP, Kubernetes, Docker, CI/CD, GitHub Actions

- Led the design and implementation of a new **payments system**, introducing idempotency from to prevent duplicate transactions and improve reliability
- Implemented an **event-driven architecture with RabbitMQ** to decouple services and simplify how payment events are processed
- Tuned the event system to use it to send real time notifications to the **Frontend**
- Reduced GitHub Actions pipeline execution time by **50%**, improving deployment speed and developer feedback cycles
- Contributed to backend guild discussions to standardize patterns around messaging, error handling, and service communication

Senior Software Engineer at **Lyft**

March 2023 - Oct 2023

- Acted as Tech Lead, working closely with product and engineering managers to define priorities and guide implementation
- Refactored a critical Python/Flask endpoint, reducing **p95 latency by 30%** through query and logic optimization
- Coordinated with Data Science to retrain a risk model and integrate new inputs via a Python wrapper, improving accuracy by **20%**
- Performed detailed code reviews to ensure performance, readability, and long-term maintainability

Software Architect at **Salesloft**

September 2019 - March 2023

- Led the team efforts to migrate a NodeJS monolithic implementation of our system to an event driven microservice architecture using ExpressJS, Kafka events, Redis queues and a GraphQL API.
- Defined the core metrics and monitors in Datadog and NewRelic to enhance the platform stability and performance.
- Coordinated with our teams to migrate all our Javascript code to Typescript.

Practices

Testing (unit & integration), observability, code quality, maintainability

Collaboration

Cross-functional teamwork, product collaboration, remote/async communication

Product Mindset

Building features iteratively, focusing on user experience and simplicity

Formal Education

College degree in **Licenciatura en Informática Administrativa (LIA)** by Instituto Tecnológico y de Estudios Superiores de Occidente (ITESO)

Social Links

LinkedIn

<https://mx.linkedin.com/in/izamb1>

GitHub

<https://github.com/izamb1>

Leetcode

<https://leetcode.com/izamb1/>

Hackerrank

<https://www.hackerrank.com/izamb1>

Bluesky

<https://bsky.app/profile/izamb1.bsky.social>

- Implemented the tooling to check and enforce the Javascript test coverage and Typescript code percentage during the CI/CD phase in Github Actions.
- Built a command line application to make it easier for engineers to connect to the QA databases, and to easily deploy independent Pods to the k8s cluster to run backfill scripts and maintenance commands.
- Worked closely with the Tech leads to define best practices for coding and unit testing.
- Successfully expanded cloud regions from two to five. Ensuring cloud platform agnosticism of our codebase allowed us to launch three new regions in GCP, in addition to the two in AWS.
- Designed the multi tenant layer at the api level using NodeJS Async context and PostgreSQL row level security.
- Orchestrated the k8s configuration setup for new regions using Kustomize.
- Helped grow the Conversation Intelligence Pod from a single team of 7 to three teams of 17 engineers.
- Coordinated the internationalization of the React UI using Lokalise.
- Worked closely with the design team to update the React UI to the new corporate brand and refactor old class components to functional ones.
- Migration of the legacy AngularJS frontend to a modern micro frontend architecture built with React.

Full Stack Tech Lead Engineer at Kueski

January 2018 - September 2019

- Worked closely with the team in charge of the first Android app, reaching **30% adoption within two months**
- Built **user-facing authentication flows in React**, improving usability and onboarding experience
- Delivered end-to-end features across backend services and frontend interfaces
- Collaborated closely with product and design to ship features used by thousands of merchants
- Refactored backend services to ensure consistency of financial data in user-facing account statements

Earlier experience

2008-2018

- Designed and implemented candidate registration systems for the **Instituto Electoral y de Participación Ciudadana del Estado de Jalisco**, handling **11,000+ candidates per election cycle** (2009, 2012, 2015)
- Defined data structures and built a single-page application to publish **real-time election results** for statewide processes in Jalisco
- Developed a system to track live council sessions across **20 districts and 125 municipalities**, ensuring transparency during Jalisco state elections
- Led development of internal systems using **PHP (Symfony) and AngularJS**, including a **vehicle access control platform for a school** at Instituto de Ciencias A.C.
- Maintained and extended a legacy academic system at Instituto de Ciencias A.C., implementing features such as automated grade calculation and reporting and modernizing the frontend to use **AngularJs**
- Built responsive frontend applications at **Tiempo Development** using **React**, including interactive landing pages with SVG animations compatible across modern browsers