

Rodrigo Sosa

Full-Stack Engineer (Backend & Infrastructure)

Backend · Infrastructure · Production systems · Legacy modernization

Tucumán, Argentina · Open to remote (LATAM, US, EU)

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SUMMARY

Full-stack engineer with 4+ years of experience building and operating production systems across insurance, logistics, public-sector, and SaaS domains. I take end-to-end ownership of backend services, frontend, and the infrastructure around them — including AWS, Docker, and CI/CD pipelines. Strong in modernizing and consolidating legacy systems, integrating Java, .NET, and Node services, and operating multi-client platforms in daily production use. Comfortable coordinating work across multiple parallel teams. Currently focused on backend-leaning full-stack roles with infrastructure and DevOps responsibilities.

TECHNICAL SKILLS

Frontend · React, Next.js, Tailwind CSS, Redux, Zustand, GatsbyJS

Backend · Node.js, NestJS, .NET (C#), REST APIs, Prisma, Drizzle

Databases & queues · PostgreSQL, MySQL, MongoDB, Redis, BullMQ, RabbitMQ

Cloud & DevOps · AWS (EC2, RDS, Lambda, S3, CloudFront), Docker, Docker Compose, GitHub Actions, Pulumi, Linux/systemd, rsync

Languages · TypeScript & JavaScript (primary), SQL · also working with Java, C#, Go, PHP

Architecture & Integrations · Microservices, OMS/TMS/WMS integrations, middleware services, OAuth/OIDC-style identity, multi-tenant systems, event-driven pipelines, AI/OCR orchestration, legacy modernization and system consolidation

EXPERIENCE

Systems Consolidation Program / MetLife

Semi-Senior Full-Stack Developer · Apr 2026 – Present · Full-time

MetLife is a global insurance and employee-benefits provider. Consolidation program unifying multiple Java-based microservice systems into a single coherent platform.

- Full-stack development across Java microservices as part of a multi-system consolidation effort.
- Coordinate changes across several teams working in parallel — aligning dependencies, sequencing releases, and tracking task ownership so migrations land without disrupting systems already in production.

AI Document Intelligence Platform / Lab9

Full-Stack Engineer · 2026 · Full-time

Lab9 is a software agency and product studio (~20 developers) where I held four consecutive engagements between 2023 and 2026. This one is an internal product in testing ahead of launch: it orchestrates AI and OCR models to extract structured data from documents (invoices and medical records), with reviewer workflows for validation and CSV/Excel export.

- Architected and owned the backend end-to-end: AI/OCR orchestration, event-driven pipeline (ingestion, processing, downstream publishing), authentication, and a multi-tenant role-based permissions model (admin → client organizations → end-users → reviewers).
- Built document scoring and routing: low-confidence extractions trigger fallback strategies and route to reviewer roles for manual validation.
- Owned DevOps end-to-end: Pulumi-based IaC, AWS infrastructure plus a dedicated VPS, and external service integrations.

iFlow — Logistics Platform / Lab9

Full-Stack Engineer · Dec 2024 – Mar 2026 · Full-time

iFlow runs national and international package logistics in Argentina, processing 15–20K orders per day and 200K+ daily operational events across reception, warehousing, routing, tracking, distribution, and reverse logistics. The work is a multi-year modernization from a hard-to-maintain PHP legacy stack toward a modular Node/NestJS + .NET architecture.

- Architected and shipped a **centralized identity and access service** from scratch — OAuth/OIDC-inspired, with application registration, scoped permissions, and API key issuance — now used across multiple internal applications and clients.
- Led the technical integration between the legacy PHP OMS and the new .NET-based Logistic Manager (which handles routing, carrier assignment, dispatch, and reverse-logistics flows). Designed middleware that kept production operations running during the migration; handed off ongoing maintenance after transitioning to other modules.
- Diagnosed and fixed a **race condition in the new-customer onboarding flow** that caused intermittent order-creation failures: the system was attempting to create or look up a customer before the prior creation had committed. Reworked the flow to coordinate creation and consumption safely.
- Built and maintained backend services covering order updates, shipment events, carrier integrations, and operational notifications.
- Shipped CI/CD pipelines (GitHub Actions) for .NET and Node.js services across QA, UAT, and production. Configured AWS infrastructure (EC2, RDS, Lambda) and operated Linux servers directly.

American Academy of Neurology / Lab9

Full-Stack Engineer · May 2024 – Dec 2024 · Full-time

AAN is a US-based medical association. The engagement migrated the backend powering their educational mobile application (~5K active users) from WordPress to a modern stack.

- Migrated the API consumed by the React Native trivia/learning app from WordPress to Node.js and Firebase — covering questions, categories, users, authentication, and game logic.
- Shipped a custom Next.js admin dashboard to replace WordPress-based content workflows.
- Worked in a two-developer team, sharing backend, frontend, and integration responsibilities throughout the migration.

Sharyco / Lab9

Backend Developer · Mar 2023 – May 2024 · Full-time

Sharyco is a Lab9-developed B2B SaaS — a corporate social network focused on sustainability and circular economy, used by companies across Argentina, Uruguay, Paraguay, and Spain.

- Backend developer in a ~5-person team. Architected and evolved the **configurable challenge engine**, where admins define rules, actions, point values, and reward conditions through the admin panel without requiring code changes.
- Migrated the deployment workflow from manual to fully automated: implemented **infrastructure as code with Pulumi**, configured AWS resources (S3, CloudFront, EC2 backend), and set up GitHub Actions pipelines with Slack notifications.
- Stack: React, Tailwind, Redux (frontend); Node.js + MySQL (backend); Pulumi + AWS (infra).

SELECTED FREELANCE & CONTRACT WORK

Tech Implementation Analyst

OneTree / Washington State Department of Health (US) · Nov 2024 – Feb 2025

Public-sector engagement on a regulatory licensing system for medical cannabis in Washington State, integrated with an enterprise content management platform. Developed backend modules covering user and person registration, license issuance and renewal, validation logic, and approval/verification workflows. Built operational dashboards and analytical reports. Worked within a ~15-person team of developers and QA engineers.

Freelance Full-Stack Developer

Selected projects · 2022 – Present

~4–5 client projects: landing pages, websites, and small business sites. Highlights: grupobeltran.com.ar, anatolia.com.ar. Stack: React, Next.js, GatsbyJS, Tailwind, styled-components. Implemented serverless features with **Cloudflare Workers** and **AWS Lambda** for contact-form handling, email filtering, and notification logic. Ongoing maintenance, SEO, and performance work.

EDUCATION

Bachelor's in Economics · Universidad Nacional de Tucumán · 2018 – 2021

LANGUAGES

Spanish · Native

English · C1 (Advanced)