

Jose Masri Salame

Senior Backend Engineer

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SUMMARY

Senior Backend Engineer with 7+ years building and operating backend services, APIs, and integrations in production. Currently on Indeed's JavaScript Ecosystem team, maintaining the internal tooling, libraries, and Node.js runtime that other engineering teams build on. Most of my work is in Node.js/TypeScript and Python, with PostgreSQL, MySQL, MongoDB, and Redis, deployed on AWS, GCP, and Docker-based infrastructure. I've led backend projects from requirements and design through launch, refactoring, and production incidents, and managed small engineering teams. I work well in fast-moving startups and care about systems that stay reliable under load.

CORE SKILLS

Backend Languages: Node.js (Express, NestJS, Fastify, Koa), TypeScript, Python (Django, Flask) · Familiar with Go

APIs & Architecture: REST, GraphQL, Microservices, Distributed Systems, SOA, Event-driven, WebSockets (Socket.io), Design Patterns, SOLID, Clean Architecture

Databases: PostgreSQL, MySQL, MongoDB, Redis, MariaDB, Firebase

Cloud & DevOps: AWS, GCP, Docker, Kubernetes, CI/CD (GitLab CI, Jenkins, GitHub Actions), Heroku, DigitalOcean

Integrations: Payment gateways (MercadoPago, Amazon Gift Card API), Shopify (REST & GraphQL), Netsuite, Shopmonkey, third-party API design and scaling

Testing & Tooling: Jest, Babel, Webpack, NPM/Yarn/PNPM, Bash scripting

Frontend (supporting): React/Redux, Next.js, React Native

EMPLOYMENT HISTORY

Senior Backend Engineer, AgileEngine

2022 – Present

Backend engineer at AgileEngine, working across client engagements. My main engagement is Indeed's JavaScript Ecosystem team, responsible for the internal tooling, libraries, and Node.js runtime that other engineering teams build on.

- Built and maintained core Node.js libraries, Docker images, and project templates used across Indeed's internal teams to standardize how services are set up and shipped.
- Migrated production services to newer Node.js versions, improving security and performance and removing deprecated dependencies.
- Wrote NPM and Bash automation for CI/CD, cutting manual release steps and build times.
- Refactored and tuned backend components; worked with product and onsite stakeholders on estimates, docs, and delivery in a SCRUM process.
- For Moran Family of Brands (turbotint.com), built a full integration connecting the Shopify ecommerce stores of multiple franchise locations to the **Shopmonkey** platform through its API, keeping data in sync across both systems.
- For Guardian Bikes (guardianbikes.com), built custom storefront sections in Shopify Liquid and integrated with the Shopify API.

Node.js, TypeScript, JavaScript, MySQL, MSSQL, Docker, Jest, Webpack, Babel, GitLab CI, Bash, Shopify (Liquid, REST & GraphQL), Shopmonkey API

Full Stack Engineering Manager, Jellyfish

2021 – 2022

Led backend architecture and a small engineering team across three fintech products, from requirements to production, including code review and mentoring.

Bank Onboarding Platform

- Defined requirements, designed the architecture, and led backend development for a bank customer-onboarding platform.
- Built the CMS and admin backend; migrated the infrastructure to Docker and Kubernetes.
- Integrated the Amazon Gift Card API, wrote Node.js data-migration scripts, and built reporting and charts.

NestJS, Loopback, MongoDB, Next.js, Docker, Kubernetes

Contactless Transactions Platform

- Designed the architecture and built the backend API and admin panel; integrated the Amazon Gift Card API and built reporting.

NestJS, Next.js, TailwindCSS

Payment Methods Center

- Built the backend API and CMS; integrated it with the bank onboarding platform and added reporting.

NestJS, PostgreSQL, Redis, Next.js

Prosa Analytics: Payment Transaction Analytics Platform

- Built a transaction-analytics platform with embedded Looker dashboards showing payment data at the acquirer, chain, and merchant level for one of Mexico's largest payment processors.
- Added role-based, row-level filtering so each user type sees only their authorized transaction data, securing the Looker embeds with signed, scoped access.

Node.js, Looker Embedded Analytics, role-based access control (RBAC)

Cinch Home Services: Website (cinchhomeservices.com)

- Built and maintained the customer-facing website on **HubSpot CMS**, writing custom modules and templates and wiring up HubSpot forms and CRM data.

HubSpot CMS, HubL, JavaScript, HTML/CSS

Backend / Integrations Engineer, Máscara de Látex

2020 – 2021

- Built and maintained backend integrations for the admin platform, connecting the storefront to ERP and marketplace systems.
- Integrated the Netsuite API, Shopify GraphQL API, and Amazon API; moved the service to Docker and improved its stability.

Node.js, Express, MongoDB, MySQL, Netsuite, Intelisis, Angular.js

Full Stack Engineer, Printogo

2018 – 2019

- Defined requirements and designed the architecture for a printing-and-delivery platform spanning backend, web, and mobile.
- Built the backend API with real-time features (Socket.io) and external integrations, and hardened it for security; deployed on Docker and Kubernetes.

NestJS, Node.js, PostgreSQL, Redis, Socket.io, Next.js, React Native, Docker, Kubernetes

Software Engineer, Freelance / Startups

2016 – 2020

- Led development and small teams on startup products: **JMatch**, a community dating app (Node.js, MongoDB, Ionic), and **Yad LaKala Raffles**, an e-commerce platform with MercadoPago payments (Next.js, Strapi), handling backend and integrations.

EDUCATION

B.S. in Computer Engineering, Universidad del Valle de México · 2014 – 2020