

Ollin Yolixtly Villegas

Senior Software Engineer

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SUMMARY

Senior Software Engineer & Tech Strategist: nearly a decade building backend and full-stack systems, primarily AWS serverless (Lambda, DynamoDB, EventBridge, AppSync/GraphQL), Node.js, and TypeScript. I build event-driven architectures that handle real scale: live-stream scheduling for 4,000+ concurrent users and real-time dispatch tools for a 15,000-truck fleet. For the last two years, I ran my own ventures: building automated operations for a local service business, a personal rules-based trading engine for low-frequency, high-probability signals with a 73.6% win rate, and an AI-driven web delivery pipeline. I understand both sides of the table: system architecture and payroll realities. I'm looking for a dedicated Senior or Lead role where I can automate complex workflows, build scalable backend platforms, and bridge engineering with business strategy.

EXPERIENCE

Beachbody (BODi)
Santa Monica, CA

Senior Software Engineer, API
Mar 2021 – Dec 2024

- Built core APIs for live-stream class scheduling supporting 4,000+ concurrent users; pioneered the scheduler API v1 and the team's event-driven architecture (EventBridge pub-sub) as co-owner of 2 services on a 5-person engineering team
- Contributed to the backend ecosystem for the BODi beta launch: class status lifecycle, registration end-to-end (standard and VIP access), event notifications, and Algolia indexing powering the full on-demand workout library
- Led migration of a legacy monolith with zero unit-test coverage to a decoupled TypeScript architecture at 85%+ Jest coverage, with hardened error handling and mitigation
- Architected DynamoDB and AppSync/GraphQL microservices secured with Lambda Authorizer and Okta; built a BFF layer aggregating CMS content (Sanity) via EventBridge; owned CI/CD (GitHub Actions) and Datadog observability across owned services

Republic Services
Scottsdale, AZ

Senior Full Stack Engineer
Feb 2020 – Mar 2021

- Helped digitize driver routing that ran on pen and paper: delivered phase-1 implementation of a real-time Live Map Scheduler (AppSync, Angular, ESRI mapping) built for a fleet of 15,000+ trucks at North America's second-largest waste services company; clearer routes, safer drivers, better on-time service
- Pioneered the research and adoption case for AWS AppSync for real-time data; delivered department-wide training to 100+ engineers via recorded session and documentation, and led a feature-flagged production rollout

Universal Orlando
Orlando, FL

Software Analyst (Backend Engineering)
Sep 2018 – Dec 2019

- Built backend services (Node.js, TypeScript) for a consumer travel-booking platform covering flights, hotels, transportation, and park tickets
- Took the backend team's repositories from 0% to 90% test coverage in about one quarter: built a reusable NPM library standardizing test and fixture generation (Nock), shipped it with video and docs training; adopted by the entire backend team, practices standardized org-wide

Independent Ventures
Phoenix, AZ

Founder & Principal Consultant
Oct 2024 – Present

- Fiori Cleaning: designed the operations to run on their own: online booking, CRM, Stripe Connect payments with automated contractor payouts, digital accounting. The company runs remotely on under ~\$300/month overhead and tripled monthly revenue in first quarter
- KISS Trading Tools: Built a custom trading platform and AI research agent to identify high-probability playbooks and automate pre-session prep. Paired an automated research pipeline (TypeScript, 107 unit tests) with discretionary execution to pass a \$50K prop firm evaluation on the first attempt with a 73.6% win rate across 53 trades.
- BuildWithYoli: founded a bilingual web agency on an AI-agentic delivery system: a documented, repeatable pipeline (Next.js on Vercel, GitHub Actions CI/CD, automated testing) that ships tested, SEO-ready full-stack apps in days

Earlier: Full-Stack Engineer, Freelance & CitizenDeveloper (Node.js/Express/React) · Harrisburg, PA · 2017 – 2019

SKILLS

Cloud & Architecture: AWS (Lambda, DynamoDB, EventBridge, AppSync/GraphQL) · Event-Driven Design · Microservices · CI/CD
Languages & Tools: Node.js · TypeScript · Next.js/React · Vercel · Angular · Jest/Vitest · Datadog · Sanity CMS · Agentic AI (MCP, Claude Code)
Strategy & Operations: Business Automation · Process Digitization · Technical Strategy · P&L Oversight · Bilingual (English/Spanish)

EDUCATION

B.A. International Business · Tecnológico de Monterrey · 2013 (Top 200 worldwide, #1 in Latin America for business and management, QS)