

RICARDO ZAVALA

Senior Full Stack Engineer

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SUMMARY

Frontend-Focused Full Stack Engineer with 9+ years delivering enterprise solutions in React, Java and Go. Expertise in microservices, serverless architectures, and cloud systems (AWS/Azure). Led 15+ critical launches, driving 40%+ efficiency gains through infrastructure automation. Combines technical vision with operational excellence, consistently shipping products under tight deadlines while maintaining 99.9%+ uptime

SKILLS

React	JavaScript	TypeScript	Java	Go	Gin	Fiber	Echo	PostgreSQL
Microservices Architecture		RabbitMQ	Apache Kafka		GraphQL	GitHub Actions		Jenkins
Unit Testing	Jest	JUnit	Cypress					

EXPERIENCE

Senior Full Stack Engineer - Full-time

Accenture Federal Services

📅 04/2022 - Present 📍 Remote

- Led React 18 frontend modernization for USPS Click-N-Ship using TanStack Query v4 for state synchronization and React Hook Form with Zod validation, enabling 12% faster form completions for 8M+ monthly users.
- Modernized Java 8 monoliths to Go 1.19 using Gin framework v1.7 and Temporal.io workflows, achieving 220ms p99 latency for high-volume shipping transactions (1.25M+ concurrent users).
- Architected GIS tracking system using React MapGL + Golang geohash microservices, reducing parcel routing miscalculations by 18% across USPS's 31K+ facilities.
- Designed PCI-compliant payment gateway with Go Fiber components, integrating 4 processors (PayPal, Stripe, Square, Fiserv) to reduce payment holds by 43% (\$7.8M monthly cashflow improvement).
- Created event-driven reporting system using Go AWS Lambda (1s cold starts via Lambda Warmer) with SQS and React-Admin dashboard, automating delivery of 140+ executive reports and saving \$12K/month in manual labor.

Full Stack Engineer - Contract

Cigna

📅 02/2022 - 04/2022 📍 Remote

- Revamped patient portal using React 17 + Vite, achieving 98 Core Web Vitals via code splitting (Webpack 5).
- Implemented New Relic Go Agent v3 for distributed tracing across 12 microservices.
- Accelerated Elasticsearch 7 queries 58% using Olivere Elastic v7 client with Go Chi v5 routers, decreasing average query time by 68% and increasing successful patient-provider matches by 14%.
- Setup GitHub Actions with parallelized Cypress test jobs for splitting a test across multiple jobs and saving test screenshots and videos for debugging.
- Optimized AWS ECS Fargate with Application Load Balancer to replace dependency for on-premise servers to automatically scale clusters.

Frontend Engineer - Contract

Touch To

📅 11/2021 - 02/2022 📍 Austin, TX

- Pioneered micro-frontend architecture using single-spa and Webpack Module Federation that enabled 4 development teams to work independently while reducing sprint integration conflicts by 83%.
- Developed encrypted WebSocket communication layer with React and Socket.io for defense projects that maintained 99.997% uptime while processing 240 TB of sensitive data.
- Created a TypeScript-based design system with strict type checking that reduced UI-related bugs by 47% and accelerated component development by 3.2x.
- Implemented comprehensive testing strategy (Jest, Testing Library, Cypress) that increased test coverage from 62% to 91% while reducing QA cycles by 6 business days.
- Assisted with AWS cloud configuration for secure application hosting, implementing best practices for scalable infrastructure.

EXPERIENCE

Web and Native Mobile Developer - Full-time

Zappos Family of Companies

📅 10/2018 - 08/2021 📍 Las Vegas, NV

- Spearheaded PWA implementation with React 16 and Workbox v5.1 that enabled offline functionality, increasing mobile conversion rates by 19% through stale-while-revalidate caching.
- Architected a high-volume payment processing system with Go + RabbitMQ(streadway/amqp) that scaled to handle 18.5M monthly transactions with 99.99% uptime during Black Friday events.
- Reduced page load time by 2.7 seconds through implementing React lazy loading, Webpack code splitting, and service worker caching strategies, improving SEO rankings for 1,200+ product categories.
- Designed a GraphQL federation layer with Apollo Server that consolidated 12 legacy REST APIs, reducing frontend data over-fetching by 76% and server load by 32%.

Web Development Intern - Intern

Vegas.com

📅 11/2016 - 12/2017 📍 Las Vegas, NV

- Contributed to Java-based booking platform migration that processed 12,000+ daily transactions, implementing responsive UI components that improved mobile conversions by 28%.
- Developed SEO-optimized landing pages using Spring MVC and Thymeleaf templates that increased organic traffic by 34% across 75 entertainment event categories.
- Created build process automation with Jenkins that reduced deployment errors by 62% and cut release preparation time from 3 days to 4 hours.

PROJECTS

Next-Gen CRE Matching Platform

📅 04/2024 - Present 📍 Remote

Built a platform using React (frontend), Go & Python (backend), AWS (cloud services), and PostgreSQL (DB) to automatically match off-market commercial real estate buyers and sellers, unlocking previously undiscovered market opportunities.

- Spearheaded 10-service monolith project into microservices architecture using Kubernetes and Go, reducing deployment failures by 70% and cutting \$10K/month in cloud costs through spot instance automation.
- Built frontend deployments via AWS Amplify, with considerations for Terraform to provision AWS resources.
- Introduced ESLint and TypeScript rules, enforcing coding support in existing codebases with minimal disruption.
- Converted traditional JavaScript + React 17 project into TypeScript + React 19 SSR improving page-loading speed, achieving 95% Lighthouse score.
- Mentored a cross-functional engineering team, installed agile rituals, and championed best coding practices—accelerating feature delivery and ensuring rock-solid system performance.

EDUCATION

Bachelor of Science, Computer Science

University of Nevada-Las Vegas

📅 06/2018 📍 Las Vegas, NV

Bachelor of Arts, Psychology

Nevada State University

📅 06/2013 📍 Henderson, NV