

Luis German Rodriguez Tanamachi

Senior Full Stack Engineer | Fintech · Healthcare · E-Commerce

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Professional Summary

Senior Software Engineer with 10+ years of experience designing and building scalable full-stack systems across fintech, healthcare, and e-commerce domains, combining backend microservices expertise with hands-on frontend integration using React.js, TypeScript, and internal dashboards. Skilled at implementing event-driven architectures, API-first designs, and cloud-native solutions on AWS, supporting millions of events and high-throughput transaction workflows. Experienced in tracking tools, analytics integration, and Google Tag Manager setups for monitoring user interactions and conversion metrics. Proven track record in mentoring engineers, reducing technical debt, optimizing CI/CD pipelines, and collaborating with cross-functional teams in fast-paced SCRUM environments to deliver reliable, high-quality, user-facing experiences.

Professional Experience

Octaura Inc. — New York, NY

Senior Full Stack Engineer (Fintech Infrastructure) | Apr 2024 – Oct 2025

- Designed and implemented high-throughput microservices for fintech trading platforms using Java, Spring Boot, and Kafka, integrating with internal React.js / TypeScript dashboards to monitor operational and financial metrics.
- Collaborated with product, marketing, and analytics teams to expose structured event data supporting tracking, conversion measurement, and analytics pipelines, including GTM-like implementations for internal monitoring.
- Optimized UI-backend interactions in internal dashboards by improving API response times, lazy loading, memoization, and efficient component rendering, enhancing Core Web Vitals.
- Strengthened CI/CD pipelines using GitHub Actions, Docker, and Kubernetes, enabling automated deployment, rollback, and testing for frontend and backend services.
- Provided mentorship and guidance to engineers on API-first integration, frontend-backend best practices, and performance optimization.

H1 Inc. — New York, NY

Senior Full Stack Engineer | Sep 2021 – Mar 2024

- Partnered with frontend teams to co-design APIs consumed by React dashboards, ensuring performance, reliability, and maintainability across multiple microservices.
- Implemented event-driven pipelines to feed analytics systems, enabling marketing and product teams to track key shopper interactions, conversions, and funnel metrics.
- Led initiatives to reduce technical debt and improve code quality, introducing best practices for CI/CD and automated testing across backend and frontend integrations.
- Mentored engineers on scalable architecture, API design, and event tracking strategies, improving development velocity and maintainability.
- Conducted cross-team code reviews, performance audits, and technical design sessions, ensuring consistent quality standards across all services.

Jeeves Inc. — Remote / Global

Full Stack Engineer (Fintech Platform) | Jul 2018 – Aug 2021

- Developed backend microservices supporting high-throughput transactions and multi-region financial operations, ensuring data consistency and low-latency delivery.
- Collaborated with React-based internal dashboards for real-time monitoring of transactions, analytics, and operational KPIs.
- Integrated backend services with analytics pipelines, enabling visibility into system usage and internal conversion metrics for operational and business stakeholders.
- Participated in CI/CD pipeline automation and containerized deployments using Docker and AWS ECS, streamlining release cycles.
- Mentored junior engineers on service modularization, event-driven design, and production readiness.

Ve Global — London, UK

Software Engineer (E-Commerce & AdTech) | Nov 2014 – Jun 2018

- Supported frontend reporting dashboards by building APIs that aggregated large-scale event and transaction data, enabling insights for marketing and operational teams.
- Collaborated with frontend engineers to improve page responsiveness and user experience, including lazy loading, code splitting, and efficient data fetching.
- Assisted in incident troubleshooting, root cause analysis, and resolution of production issues affecting frontend performance and tracking accuracy.
- Contributed to CI/CD pipelines and automated testing frameworks, ensuring consistent deployment quality and reliability.
- Worked asynchronously with distributed teams to maintain integration standards and alignment across multiple services.

Technical Skills

Frontend: React.js, Node.js, TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap

Analytics & Tracking: Google Tag Manager (GTM), Facebook Pixel, Segment.io, Event Tracking, Conversion Measurement

Backend & Platforms: Java / Spring Boot, Node.js, REST APIs, Event-Driven Architecture, Microservices

Databases & Data: PostgreSQL, MySQL, Redis, NoSQL Concepts, Data Modeling, Schema Migration

Cloud & DevOps: AWS (EC2, S3, Lambda, EKS), Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, Jenkins

Testing & Quality: Unit Testing, Integration Testing, Code Review Best Practices

Collaboration & Methodology: SCRUM, Agile, Cross-Functional Teams, Mentorship, Technical Documentation, Task Leadership

Soft Skills: Strategic Thinking, Problem Solving, Proactive Initiative, Communication, Leadership

Education

Bachelor of Science in Computer Science

Georgia Institute of Technology (Georgia Tech) | Atlanta, GA | 2009 – 2014