

Luis German Rodriguez Tanamachi

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

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Professional Summary

Senior Full Stack Engineer with 10+ years of experience designing, building scalable production systems across fintech, healthcare, and e-commerce domains. Strong hands-on expertise in both backend and frontend development, with a focus on Java, Node.js, React, and cloud-native architectures. Proven ability to deliver end-to-end features, improve system performance and reliability, and collaborate effectively with product, design, and DevOps teams in fast-paced environments.

Professional Experience

Octaura Inc. — New York, NY

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

- Designed and delivered backend services for a CLO and loan trading platform using Java, Spring Boot, and Kafka, enabling new trade workflow capabilities used daily by internal traders.
- Built and maintained event-driven components processing thousands of financial events per day, improving reliability, ordering, and idempotency across distributed services.
- Collaborated closely with frontend teams (React and Angular) to define API contracts and optimize payloads, reducing integration issues and improving feature delivery speed.
- Managed PostgreSQL schema evolution using Liquibase, reducing environment inconsistencies across development, QA, and production.
- Improved system observability and performance through enhanced logging, tracing, and profiling, reducing processing latency in critical workflows.
- Contributed to CI/CD automation using GitHub Actions, strengthening automated test coverage and improving deployment confidence.
- Provided senior-level guidance on backend design, testing strategies, and maintainability standards.

H1 Inc. — New York, NY

Senior Full Stack Engineer | Sep 2021 – Mar 2024

- Designed and maintained Java-based large-scale data ingestion pipelines handling millions of healthcare records with distributed processing and event-driven microservices.

- Spearheaded a React + GraphQL dashboard rebuild to improve scalability and data visualization performance.
- Integrated AI-assisted Entity Matching Models with Spring Boot API on PostgreSQL, improving data mapping accuracy and reducing manual workloads by nearly 20%.
- Collaborated with data scientists and DevOps to unify workflows for analytics, data warehousing, and API layers under a shared AWS infrastructure.
- Authored internal tools for batch data validation and schema tracking, cutting QA turnaround time by half.
- Implemented CI/CD pipeline using Jenkins, Docker, and Kubernetes.
- Mentored engineers on API design standards, testing coverage, and modularization strategies.
- Contributed to the design of the company's internal 'Data Knowledge Graph,' aligning healthcare data models with scalable architecture patterns.

Jeeves Inc. — Remote / Global

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

- Developed secure, multi-region backend services using Spring Boot and PostgreSQL to manage cross-border financial transactions and dynamic exchange rates.
- Led the development of transaction monitoring and reconciliation systems supporting real-time settlements across multiple currencies.
- Built admin dashboards in Angular and NgRx for internal finance and compliance teams to track spending behavior.
- Implemented role-based access control, enhancing platform security and audit readiness.
- Introduced error-tracking and observability tools (Sentry, Prometheus) to improve incident response times and system reliability.
- Partnered with DevOps to containerize services and improve CI/CD pipelines using GitHub Actions and AWS ECS.
- Standardized REST and GraphQL API documentation for internal and external integration partners.

Ve Global — London, UK

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

- Implemented a client-side personalization framework enabling tailored product recommendations for over 50 partner websites.
- Created modular React components integrated into third-party e-commerce systems like Shopify and Magento.
- Optimized client SDKs and ad scripts to reduce browser blocking time and improve ad-rendering performance.
- Enhanced ad analytics APIs by consolidating data from distributed event streams.
- Developed the internal 'Campaign Management Portal' integrating D3.js and Chart.js for real-time performance tracking.
- Supported the migration of On Premise workloads to AWS S3 and Lambda functions for cost efficiency and scalability.

- Help implementing CI/CD pipeline using GitHub and Jenkins with DevOps members.
- Assisted in the migration from a Node.js monolith to an API-first architecture with React Front end.
- Built reusable UI components and checkout enhancements, increasing mobile conversion rates.

Technical Skills

Languages

Java, JavaScript, TypeScript, Python, C#

Backend

Spring Boot, Node.js, Express.js, NestJS, ASP.NET Core, REST APIs, GraphQL, Kafka, gRPC

Frontend

React, Angular, Next.js, HTML5, CSS3, Redux, NgRx, RxJS, Tailwind CSS, Bootstrap

Databases

PostgreSQL, MySQL, MongoDB, Microsoft SQL Server

Cloud & Infrastructure

AWS (EC2, S3, Lambda, EKS), Azure, Docker, Kubernetes

DevOps & Testing

Git, GitHub Actions, Jenkins, CI/CD, TDD, Jest, Cypress, Selenium, JUnit

Methodologies

Agile, Scrum, Kanban

Core Strengths: Timely delivery, clear architecture, high-quality code, good collaboration, attention to detail, verbal communication skill, problem-solving skills.

Education

Bachelor of Science in Computer Science

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