

Nicolás Riccomini

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ABOUT ME

Lead Full Stack Engineer with 9+ years in insurance, banking and government software. Lead of teams of up to 12, owning the full cycle: defining requirements with stakeholders, designing the solution, planning the implementation and writing a large share of the production code. Stack: TypeScript, React, Node and MongoDB (MERN), .NET and SQL, with Terraform and container infrastructure on AWS and Azure.

EXPERIENCE

Director of Technology

Ontario, Canada (remote)

Illustrate Inc.

Jul 2025 – Present

- Migrated a large insurance backend from .NET Framework 4.6.2 on Windows VMs to .NET (Core) in Alpine containers: portable infrastructure, modern design patterns, current security patching and significant performance gains.
- Audited 20+ database connectors to fix sync/async mixing and connection-pool handling, removing stalls and crashes under concurrent access to shared data.
- Restructured the business logic of a brownfield codebase around a single source of truth, enabling horizontal scaling and per-tenant configuration.
- Introduced security monitoring with open-source tooling (Wazuh, OWASP ZAP, DefectDojo), driving the resulting patches and code changes across all tenants at a cost that scales.
- Replaced manual deploys and local builds with a CI pipeline gated by tests and code-quality checks, making every production bundle reproducible and traceable.
- Redesigned the product UX end to end from a study of users' real workflows, into a streamlined journey with fewer steps and higher conversion for the users' own sales.

Lead Software Engineer

Ontario, Canada (remote)

Illustrate Inc.

Mar 2022 – Jul 2025

- Led a team of up to 12 (developers, UX designers, actuarial analysts and QA) building a no-code tool for insurance underwriting pipelines on top of a large microservices architecture; ran the technical interviews that staffed it.
- Optimized the underwriting engine, cutting funnel execution from up to 45 s down to 5 s, across UML-style decision workflows and external integrations (credit scoring, medical history, motor vehicle records).
- Hands-on full stack development in TypeScript: React (bundled with webpack and rollup), Node with Express middleware and MongoDB.
- Managed multiple environments and CI/CD pipelines with Infrastructure as Code (Terraform) on AWS.
- Negotiated product roadmaps with marketing and customer relations, shipping production-grade, secure and efficient features against clear commitments.
- Ran Scrum or Kanban depending on team and objective, with a Lean approach to validated learning from users.
- Mentored Quality Analysts to grow test automation with Cypress.
- Authored technical documentation following arc42 and C4, with docs-as-code tooling (Jekyll, PlantUML).

Senior Software Engineer

Ontario, Canada (remote)

Illustrate Inc.

Dec 2021 – Mar 2022

- Built the Infrastructure as Code layer from scratch with Terraform to deploy an extensive microservices architecture to AWS.
- Designed an event-based persistence system over an asynchronous queue, enabling offline use of the platform.
- Implemented complex business logic in the no-code tool, letting users compose decision workflows from industry-specific nodes.
- Mentored new teammates and led agile ceremonies: refinements, planning, stand-ups and retros.

Full Stack Engineer

Buenos Aires, Argentina

Santander Tecnología Argentina

Aug 2019 – Dec 2021

- Member of the team that owned the Santander bank notifications system (email, SMS and push).
- Built a self-service template editor that let marketing and other departments design and ship their own notifications without developer intervention, cutting turnaround on campaigns.

- Built the push-notification integration that delivers customer notifications through the bank's mobile app.
- UIs in React and services in Node, with data in Oracle DB and MongoDB; XSL templating and SQL procedures for legacy email generation.
- Full CI/CD ownership, from requirement to production deploy; on-call production support, debugging SQL stored procedures and running root-cause analysis on incidents.

Software Engineer

Buenos Aires, Argentina

IT Resources

Oct 2018 – Aug 2019

- Development-team representative for Santander, the firm's main banking client, across several business units.
- Wrote functional and technical specifications for each unit's requirements, supervised development and implemented in Java and AngularJS.
- Stack: Java and .NET, SQL (Oracle and DB2), AngularJS, Mainframe.

IT Business System Analyst

Buenos Aires, Argentina

Ministerio de Modernización (Government of Argentina)

Feb 2017 – Oct 2018

- Functional and technical definition for the digitalization of internal procedures across national government agencies, on a no-code workflow platform built on jBPM.
- Worked directly with senior public officials and external consultants to translate paper procedures into executable workflows, scripting them in vanilla JavaScript.
- Led a team of 3 analysts.

Quality Assurance Engineer

Buenos Aires, Argentina

Practia Global

Apr 2016 – Feb 2017

- Manual and automated QA for banking projects (Banco Credicoop, Banco Formosa), including on-site work at the client.
- Tested IBM i applications written in ILE RPG, SQL databases and APIs (Postman, SOAP UI); case creation and tracking in HP Quality Center.