

LUAN ROBERTO ESTRADA MARTINS

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WEBSITES, PORTFOLIOS, PROFILES

- [linkedin.com/in/luanrem](https://www.linkedin.com/in/luanrem)
- github.com/luanrem

SKILLS

- Backend: Node.js, NestJS (MVC), Express.js, queue-based async patterns, error handling, REST/GraphQL APIs, real-time event ingestion
- Languages: C#, TypeScript, JavaScript, Python
- DevOps: Azure, Google Cloud Platform (GCP), Elasticsearch, Hasura, Terraform, Docker, Kubernetes (K8s)
- Databases: PostgreSQL, MongoDB, SQL, Prisma, TypeORM
- Testing: Unit & Integration Testing (Jest, Vitest)
- Frontend: React, Next.js (v14/15), Component Libraries (ShadCN, Material UI, Chakra UI), Tailwind CSS, WebSockets Zustand, TanStack Query
- Soft Skills: Direct Communication, Reliability, Mentorship, Ownership, Critical Thinking, Problem Solving

PROFESSIONAL SUMMARY

Senior engineer with 6+ years building and operating backend and frontend systems in production. I take ownership of features end to end, from **PostgreSQL** schema design and queue-based ingestion pipelines to observability and incident response. Most of my work has been in async-first remote teams serving **230k+ users**, where I default to direct communication and pragmatic tradeoffs over perfect specs.

WORK HISTORY

11/2025 to Current **Full Stack Software Engineer**
STRIDER – Remote

- **MVC Backend & Postgres:** Developed scalable API services using **NestJS** (MVC) and managed daily **PostgreSQL** operations, including complex table schema alterations and post-deployment migrations to ensure data consistency across environments.
- **React & Next.js Expertise:** Engineered a comprehensive **Tech Report** module using **React** and **Next.js**, allowing recruiters to generate, manage, and share detailed candidate evaluations with global clients via a specialized dashboard.

- **Engineering Ownership:** Contributed to the end-to-end development of a high-impact HR SaaS platform, streamlining the global recruitment lifecycle including candidate sourcing, technical interviewing, and hiring logistics.
- **Complex Feature Logic:** Architected a multi-host interview system, implementing complex scheduling logic to support multiple participants (technical, HR, and client stakeholders) within a single hiring workflow.
- **Collaborative Standards:** Worked within a cross-functional team of designers and engineers, ensuring high-quality UI/UX implementation while maintaining production-ready code through rigorous code reviews and **Docker**-based development workflows.

06/2025 to 11/2025 **Full Stack Software Engineer**

X-Team – Remote

- Built a high-performance search module handling 60,000+ records with smooth UI responsiveness (60fps) using modern React patterns
- Built a resilient ingestion pipeline that handled 130,000+ nightly user updates, using queue-based async throttling and explicit error handling to keep the database from overloading and to stop synchronization failures.
- Optimized the application's bundle size by implementing code-splitting via **next/dynamic** and identifying unused exports with **@next/bundle-analyzer**.
- Enhanced engineering collaboration by facilitating architecture discussions, leading code reviews, and promoting best practices such as **React Query patterns**, **SOLID** principles, and clean separation of concerns.
- Led the architecture of Version 2 of a multi-tenant education platform, enabling feature flags and **A/B testing** for safe incremental rollout
- Collaborated with teams to build a performant internal component library using **ShadCN** and **Tailwind CSS**, enforcing strict accessibility standards and Composition Patterns to accelerate feature delivery.

02/2023 to 05/2025 **Full Stack Software Engineer**

ExxonMobil – Curitiba

- Drove architectural decisions on reliability, error handling, caching, and retry strategies across distributed systems. Improved observability with **Azure Monitor** and Application Insights, which made it much faster to catch and reason about production issues.
- Led the migration of a core application to a modern **web platform** using **React 18** and **Next.js**, defining the frontend **system architecture** and adding features like React lazy for route-based code splitting. This improved rendering speed and perceived interactivity for 3,000+ users across 27 global sites.
- Established comprehensive testing strategies using **Jest**, **Vitest**, and **E2E** with **Playwright**, achieving high code coverage and reducing regression defects.
- Designed and maintained distributed APIs using **Node.js/Nest.js** and **C#/.NET Core**; delivered secure **GraphQL** integrations for 10k+ global users, focusing on efficient data orchestration and type-safe API communication.
- Contributed architectural input on reliability, error handling, caching, and retry strategies common in Distributed Systems and **microservices architecture**; improved operability with Azure Monitor and Application Insights, applying **analytical** and **problem-solving skills** to ensure system resilience.

09/2020 to 01/2023 **Software Engineer**

ExxonMobil – Curitiba

Supported and developed Full Stack solutions for refineries and plants worldwide in the manufacturing field

- **Real-Time Monitoring & Observability:** Designed and built a real-time monitoring system using **WebSockets**, leveraging **Elasticsearch** for centralized log analysis and debugging, and working within **Kubernetes-based** environments to investigate production issues and reduce mean-time-to-awareness (**MTTA**).
- **Full-Stack Development:** Developed mission-critical full-stack applications with **React** and **Nest.js**, proactively optimizing system performance to ensure uninterrupted workflows and high reliability for global operations.
- **Azure Serverless Function & Cost Savings:** Architected a serverless data ingestion pipeline to audit energy grid injections from steam recovery systems, directly enabling the verification and capture of **~\$5M in annual utility credits**.
- **Knowledge transfers:** Based on high attrition on the company (over 45%) led mentoring and technical guidance with new team members, fostering **critical thinking** and **analytical** approaches while ensuring smooth continuous operation of critical systems.
- **Cross-Team transition:** Coordinated the transition of five critical applications to the Managed Service Provider (MSP) over five months, enabling autonomous support and enhancing their capability to manage these applications independently.

01/2020 to 09/2020 **Trainee**

ExxonMobil – Curitiba

- Developed real-time monitoring tools and internal portals using **React**, **.NET**, and **Angular**, leveraging **PowerShell** to automate operational workflows.

EDUCATION

01/2020

Bachelor of Science: Electrical Engineering

Federal University of Technology Parana - Curitiba - PR

CERTIFICATIONS

- Go stack - Rocketseat, fdd2fdf3-a403-4482-84c2-15193b5d7876
- Ignite Node.Js - Rocketseat, ad2965c6-00d3-43d6-9cf1-269a47f66694
- The Open Group Certified: TOGAF 9 Foundation - The Open Group