

CONTACT

Location

Ribeirao Preto, Brazil

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LINKS

[Portfolio](#)

[GitHub](#)

[LinkedIn](#)

TECHNOLOGIES

Go / Golang

Node.js / Nest.js

TypeScript / JavaScript

React / Next.js

React Native / Expo

AWS / GCP / Azure

Terraform / Docker

Kubernetes

PostgreSQL / MongoDB

Redis / Kafka

SQL / NoSQL

CI/CD

COMPETENCIES

Distributed Systems

System Architecture

Cloud Architecture

Tech Governance

Microservices / DDD

Technical Leadership

Team Mentorship

Engineering Strategy

LANGUAGES

Portuguese **Native**

English **Full Professional**

LEONARDO WILLIAM LOPES

Senior Software Engineer & Architect

PROFILE

Senior Software Engineer & Architect with a strong focus on **backend architecture**, performance, and technical governance. I build **high-performance backend systems** and microservices primarily in **Go** and **Node.js/TypeScript**, with deep expertise in **distributed systems**, scalable architecture, and engineering standards that actually move the needle.

My stack spans the full backend spectrum, from **Go microservices** to **Node.js/NestJS**, with solid experience in React and React Native on the frontend. Highly skilled in designing **resilient architectures**, optimizing critical systems, and building efficient **CI/CD pipelines**.

Usually brought in when systems aren't delivering expected value, or when engineering teams need clear standards and **technical leadership** that makes a difference. Led architecture and engineering initiatives for **XP Inc.**, **Grupo Petropolis**, **MSD**, and **Lactalis**, driving significant improvements in performance, reliability, and engineering culture.

EMPLOYMENT HISTORY

Buildbox

Remote

Tech Lead @Linda Lifetech

Jul 2025 - Present

LINDA Lifetech is a pioneering **healthtech company** developing cutting-edge technology for the **early detection of breast cancer** through **AI and mobile diagnostics**. As Tech Lead, I drove the **complete modernization** of the platform - migrating a legacy codebase to a fully scalable, modern architecture with **zero downtime** while the app remained live and actively used by thousands of users.

Key Contributions

- Led the full migration from a legacy monolithic codebase to a modern **microservices and micro frontend architecture**, achieving **zero downtime** throughout the entire process.
- Reduced infrastructure costs by **~59%** while simultaneously increasing system performance and reliability.
- Implemented **observability** across the entire stack using **OpenTelemetry**, improving monitoring, tracing, and security posture.
- Designed and provisioned the entire cloud infrastructure using **Terraform (IaC)**, ensuring reproducibility, consistency, and operational control.
- Built **native bridges in React Native and Kotlin** to enable direct communication with external hardware devices, expanding the platform's diagnostic capabilities.

Software Engineer @Lactalis Group

Nov 2024 - Aug 2025

Lactalis Group is the **world's largest dairy producer**, with operations in **85 countries** and a turnover exceeding **USD 17 billion**. Part of the team developing an innovative application to support the pricing team managing products across **all 27 Brazilian states**, built to handle the complexities of **region-specific taxation** and ensure accurate, efficient pricing operations at a national scale.

Software Engineer @Grupo Petropolis

May 2023 - Nov 2024

Grupo Petropolis is one of Brazil's largest beverage companies, generating over **\$4 billion in annual revenue** and serving more than **700,000 customers**. The company's core sales depend on a mobile app responsible for **97% of total revenue**, making performance and stability critical.

Key Contributions

- Led the development of an **internal management platform** for managers and supervisors, streamlining operational workflows.
- Optimized and refactored critical system components, significantly improving efficiency and reducing latency in essential business functions.

- Enhanced performance and responsiveness of the main mobile application for thousands of daily active users.

Key Contributions

- Reduced mobile app **load time by 50%** while cutting resource consumption in half.
- Directly contributed to the success of a platform that processes **97% of \$2B+ annual revenue**, ensuring it remains stable, fast, and reliable at scale.

Software Engineer @MSD

May 2022 - May 2023 (1 year 1 month)

MSD is a global pharmaceutical leader with over **130 years of history**, operating in more than **140 countries**. Led the development of web and mobile interfaces for a custom **gamification platform** tailored to enhance internal engagement and strategic alignment.

Key Contributions

- Delivered the entire project in **half the estimated timeline**, exceeding delivery expectations.
- Achieved **near-zero bugs in production**, ensuring a smooth and reliable experience.
- Enabled **data-driven decision-making** by integrating key statistical insights into the platform.
- Helped increase internal engagement through gamification, directly supporting MSD's strategic initiatives.

Nkey

Remote

Software Engineer @Poliedro Educacao

Aug 2021 - Apr 2022

Played a key role in designing and developing the **content distribution platform** for **Poliedro Sistema de Ensino**, one of Brazil's leading edtech providers. This included building a **Go-based video processing microservice** responsible for ingesting MP4 content, generating **HLS chunks**, and serving **adaptive streaming**, ensuring reliable and scalable media delivery across a wide network of institutions.

Key Contributions

- Designed and implemented a **Go microservice for video encoding and adaptive streaming**, leveraging Go's concurrency model to handle simultaneous processing efficiently.
- Built a highly scalable content distribution pipeline capable of handling peak demand from **580+ educational units nationwide**.
- Optimized content delivery latency, resulting in a smoother streaming experience for thousands of students and educators.

Freelance

Remote

Mobile Engineer

Jun 2020 - Jul 2021

Worked as a freelance **React Native developer** across multiple client projects in different industries, contributing to the full **mobile development lifecycle** from requirements gathering to delivery.

Key Contributions

- Built and maintained React Native applications for diverse clients, developing features from scratch and ensuring stability across platforms.
- Implemented **state management strategies** and **UI optimizations**, improving app responsiveness and reducing crash rates.
- Established solid foundations in **mobile architecture**, performance optimization, and client communication that shaped the transition into larger-scale engineering roles.

EDUCATION

Associate's Degree in Information Systems - Centro Universitario UniDomBosco

Ribeirao Preto, SP

Jan 2022 - Nov 2024

Completed up to the 4th semester - solid foundations in software development, databases, networking, and systems analysis.

Practical skills in programming, problem-solving, and project implementation.