

LUCAS DE CASTRO FERNANDINO

Software Engineer

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[lucastrof \(Lucas de Castro\) \(github.com\)](https://github.com/lucastrof)

Nationality: Brazil

ABOUT ME

I am a Software Engineer with four years of hands-on experience, specializing in modern technologies such as **TypeScript, Node.js, React**, and **Go**. I have a strong background in distributed systems, microservices architecture, and developing scalable, user-focused solutions for complex products. I am passionate about delivering high-quality software and collaborating with cross-functional teams to achieve impactful results.

PROFESSIONAL EXPERIENCE

RD STATION

Brazil

Software Engineer

Sep 2024 - Present

- Created and structured RFCs (Request for Comments) to propose technical solutions, aligning the engineering team and iterating based on constructive feedback.
- Designed and implemented a microservices-based architecture to replace the legacy monolithic system, improving scalability and reducing coupling between services.
- Configured observability standards using tools like Datadog, ensuring comprehensive monitoring and visibility into critical systems.
- Actively contributed to reducing latency in real-time message delivery, enhancing user experience and system responsiveness.
- Improved the NPS (Net Promoter Score) of the product through the optimization of the RD Station Conversas platform by 5 points.
- Focused on scalability and performance enhancements to support a growing user base and increased message volume.
- Technologies: Go, Node.js (TypeScript), Docker, GCP, AWS, MongoDB, PostgreSQL, Apache Kafka, React, TDD.

RARO LABS

Brazil

Software Engineer

Jun 2022 - Aug 2024

- Early promotion to the position of Mid-Level Software Engineer within a year due to strong performance and organizational impact
- Worked on the development of an internal ERP platform to streamline internal processes and reduce costs associated with third-party tools. This involved creating new features, conducting unit testing, and providing system maintenance
- Collaboratively designed and developed a real-time collaborative management platform. Responsibilities included creating new features, establishing design patterns, writing application tests, and implementing the proposed Design System
- Collaboratively worked on the development of microservices with distributed architecture, creating new features, conducting unit testing and providing system maintenance.
- Collaboratively developed a Go-based CLI tool to streamline internal processes, significantly reducing the time required to create and set up new microservices.
- Technologies used: TypeScript, ReactJS, Next.js,, Jest, Node.js, NestJS, Go, DynamoDB, PostgreSQL

APP MASTERS

Brazil

Software Engineer

Apr 2021 - May 2022

- Developed new features and maintained projects for clients, including a particularly challenging project focused on a platform for international scientific events with video calls and live lectures for hundreds of people
- Contributed to internal presentations and documentation to facilitate knowledge sharing within the team
- Managed and utilized AWS S3 buckets for efficient storage and retrieval of data.
- Technologies used: React.js, JavaScript, Typescript, Next.js, Node.js, GraphQL, Storybook, AWS, PostgreSQL

EDUCATION

FEDERAL UNIVERSITY OF JUIZ DE FORA

Juiz de Fora, Brazil

Bachelor of Science in Computational Engineering

2018 - 2024

- Key Project: Collaborated as a Back-end Engineer within a multidisciplinary team, including students and teachers, to contribute to the development of a Data Analysis System designed for tracking and analyzing institutional network data. This project primarily involved utilizing Python, Apache Kafka, and Grafana

ADDITIONAL INFORMATION

- Technical Skills: Javascript, Typescript, Unit Testing, Scrum, React.js,, Node.js, GraphQL, Go, AWS, GCP, PostgreSQL, MongoDB
- Certification: EF SET English Certificate 84/100 (C2 Proficient)

LANGUAGES

- Portuguese(Native)
- English(Advanced)