

Lucas Moura da Silva

Software Engineer | React, Next.js, TypeScript | Scalable UI & Performance Optimization
| Clean Architecture & Agile Methods

lucassiyahoo.com.br@gmail.com | +55 (51) 98050-7551 | [LinkedIn](#) | Rio Grande do Sul, Brazil

Summary

Software Engineer with 5+ years building scalable, high-performance web applications. Specialized in React, Next.js and TypeScript, with backend skills in Node.js and Java. Proven experience optimizing UI responsiveness and improving system maintainability applying Clean Architecture and Agile methodologies (SCRUM). Strong background in data modeling and SQL across databases such as PostgreSQL, MySQL and OracleDB.

Active participation in building solutions focused on performance, code organization and definition of responsibilities between components and application layers. Continuous focus on technical evolution, problem solving and building scalable solutions, applying best practices such as SOLID and Clean Code.

Also experienced in applying AI to optimize development workflow, task planning and component structure.

Experience

Software Engineer

Singular | Brazil (Hybrid)

11/2024 – 06/2026

Development of web applications with a frontend focus using Next.js, React, and TypeScript. Application of Clean Code and Clean Architecture principles in building scalable and maintainable interfaces. Integration with external APIs for CRUD operations and file export.

Active development of the Zeitten project, a globally used platform with internationalization support (i18n). Implementation of features and integrations, handling internationalization requirements. Backend experience with C#, .NET Framework, and Entity Framework, as well as working with PostgreSQL using DDL, DML, and functions.

- Implemented a dynamic favorites system with isolated state management and cache synchronization, improving UI responsiveness by reducing unnecessary list refetches from 1–2 second updates to near-instant interactions using Next.js, TanStack Query, Zodios and TypeScript.
- Participated in a frontend optimization task force for the globally used Zeitten platform, reducing unnecessary re-renders from 20+ components to a single isolated render through memoization strategies and component isolation, improving responsiveness across large data-driven interfaces using React, Next.js and TypeScript
- Structured a multi-step form architecture following Clean Architecture and Clean Code principles, including file upload/download support and customized Markdown editing integrated with the application design system. Applied frontend-backend contract optimizations for paginated updates and listings, improving response performance between application layers using Next.js, TypeScript and REST APIs.
- Implemented server-side proxy streaming in Next.js for secure visualization of PDF documents and images within the platform, enabling controlled download/edit permissions and custom viewer interactions such as zoom, navigation and interface styling using streaming APIs and custom file viewers.

Skills: Next.js, React.js, TypeScript, Clean Code, Clean Architecture, Azure, PostgreSQL.

Software Engineer

Meta | Brazil (Remote)

01/2023 – 11/2024

Development of full stack web applications using a wide variety of tools, programming languages, and frameworks. Responsible for implementing REST APIs, database modeling, and supporting software architecture decisions. Worked on systems for the public sector, integrated with PROCERGS using Angular, Java, and OracleDB. Strong focus on stability, maintenance, and reliability in production environments.

- Developed a fully customized and responsive calendar component aligned with the application design system, implementing in-memory cache/history for Page 2 of 4 previously requested dates to avoid unnecessary API requests and improve application performance using Angular and TypeScript.
- Refactored the backend scheduling logic of a legacy Java system responsible for managing driving test appointments for DETRAN, significantly reducing unnecessary database records and optimizing client storage usage using Java, SQL and OracleDB.
- Implemented and maintained fullstack web applications for the public sector, supporting critical production environments with a strong focus on stability, maintenance and system reliability using Angular, Java and OracleDB.
- Worked on integrations with PROCERGS systems, ensuring compatibility and reliability for government-related operations within production environments using Angular, Java and OracleDB.

Skills: Angular.js, TypeScript, Java, Oracle Database, GitLab.

Digital Business Internship

Meta | Brazil (Remote) 04/2021 – 01/2023

Internship in Digital Business - Software Engineering

Web systems development, working on both frontend and backend layers of applications.
Participation in the development of the Mostratéc Digital web system for the client Fundação Liberato, which aimed to build a web platform for one of the largest science and technology fairs in Latin America, MOSTRATEC.
Work on the Identidade Funcional system for the client MJSP, a government system aimed at managing employee credentials.
Participation in the company's training program, Meta League.

Tester (QA)

GVDASA | Brazil (Remote) 02/2021 – 04/2021

Internship in functional software testing.
Work on the GVcentris project.

Education

Bachelor’s Degree in Computer Science, Computer Science – UNISINOS, Brazil 2030)	(2022	-
Bachelor’s Degree in Mathematics (Teaching Licensure) – UNISINOS, Brazil 2033)	(2024	-
Electronics Technician – Fundação Escola Técnica Liberato Salzano Vieira da Cunha, Brazil 2021)	(2017	-
B2 - Advanced, English Language and Literature – Doctor English Idiomas e Intercâmbio 2019)	(2014	-

Languages

English: Full professional proficiency

Portuguese: Native

Licenses & certifications

[AWS Certified Developer – Associate](#) - Amazon Web Services Training and Certification, 2026

[Scrum Fundamentals Certified](#) – SCRUMstudy - Accreditation Body for Scrum and Agile, 2021

Skills

React.js | Next.js | Angular (Framework) | PostgreSQL | TypeScript | JavaScript | SOLID | Clean Architecture | Node.js | Docker | Git | Scrum | Java | .NET Framework | C# | VueJs | Azure | i18n