

# LUCAS VAZZOLLER MARANGONI



## Summary

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I'm a backend developer in Node.js with TypeScript, but I also have good knowledge of using React.js. I love programming because for me it's like playing, mainly when I need to develop algorithms and solve problems that challenge me.

## Skills

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TypeScript | JavaScript | React.js | Node.js | Express | Vitest | Jest | Vite.js | SQLite | Axios | MongoDB | Mongoose | Docker | Nest.js | Next.js | GCP | OpenAPI | Microservices | Prisma Studio | Git | Github Actions | HTML | CSS | API Rest | Backend | Full-Stack | Go | - The levels of all my skills can be checked through my courses/certifications and, mainly, projects.

Portuguese: Native. | English: intermediate (with still room for improvement in speaking skills).

## Best Projects

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**Paiva Moto Peças** (Mar 2023 - in progress) ADS degree project at PUC Minas.

This project was developed by a team of six people. It was my personal responsibility to develop the Products/Services page and create the database structure. I created a filter integrated with search bar, and the option alternation in between products or services sectors. With all scalable coding functionalities.

Technologies: Javascript | HTML | CSS

**Best-Surf** (Mar 2023 - May 2023) Course Node.js API with Typescript by software engineer Waldemar Neto.

This project is a REST API that calculates the best surf conditions for beaches by connecting to the StormGlass API, using Node.js with TypeScript while following best development practices, TDD, DDD and clean architecture. Throughout the project, I gained experience in error handling, logging, practicing unit and end-to-end testing, cryptography, graceful shutdown, caching, mocking, and more.

Technologies: TypeScript | Node.js | Express | Overnight.js | MongoDB | Mongoose | Jest | Supertest | Nock | Axios | Docker | Github Actions | Json Web Token | Bcrypt | Express-rate-limit | OpenAPI | Node-Config | Pino | Express-pino | Lodash ...

**TaskList (v2.0.0)** (Jan 2023 - Mar 2023) Personal project, planned and developed by me.

Project developed for practicing backend development with Node.js and Express, applying unit testing, validations, DDD, TDD, in memory database, factory pattern, dependency inversion, and SOLID principles. My intention is to continue using this project to practice new technologies and concepts, including microservices, which allow me to use other languages and frameworks.

Technologies: TypeScript | Node.js | Express | Vitest | Class-validator | Prisma Studio | SQLite

**Notifications Service** (Dec 2022) Developed in the Ignite Lab 04 event by RocketSeat.

In this project, I was able to learn about microservices architecture, Domain-Driven Design, unit testing, test-driven development, validations, factory pattern, in memory database, and dependency inversion. It was inspired by TaskList, my personal project in Node.js.

Technologies: TypeScript | Node.js | Nest.js | Jest.js | Prisma Studio | SQLite

**Website Portfolio** (Nov 2022 - Dec 2022) Personal project, planned and developed by me.

Project developed for my personal presentation as a software engineer and to practice frontend development with React.

Technologies: TypeScript | NPM | Vite.js | React.js | Tailwind | Radix ui | Framer Motion

## Education

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- Degree: **PUC Minas** - Analysis and Development of Systems. (Feb, 2023 - Jul, 2025);
- Course: **Google Cloud Skills Boost** - Google Cloud Foundations Academy (2023);
  - Certification - Build and Secure Networks in Google Cloud;
  - Certification - Getting Started - Create and Manage Cloud Resources;
  - Certification - Perform Foundational Data, ML, and AI Tasks in Google Cloud;
  - Certification - Perform Foundational Infrastructure Tasks in Google Cloud.