# Jonathan Gregory

Frontend Developer | React, TypeScript, JavaScript

Email: jagrg@anche.no
Phone: +55 (31) 9 9603 1829
LinkedIn: linkedin.com/in/jagrg

## Summary

Frontend developer with a solid foundation in modern web technologies and 14 years of programming experience. Proven ability to build high-performance, scalable web applications with 1137 commits in the past year, demonstrating consistency and a strong commitment to optimizing user experience through intuitive, responsive, and minimalist designs.

## Experience

Green Ledger · Remote, Brazil
*Frontend Developer* · *Oct 2024 – Present*

- Develop a **Vue.js** and **TypeScript** blockchain application to monitor and calculate carbon emissions in real time.
- Implement responsive and high-performance user interfaces aligned with global sustainability standards.
- Collaborate with designers and backend engineers to integrate IoT data into a smart dashboard with real-time visualizations.

Metatron · Rio de Janeiro, Brazil
*Frontend Developer* · *May 2024 – Present*

- Convert Figma designs into responsive and performant websites using **React.js** and **TypeScript**.
- Contributed 40% of the frontend codebase, enhancing maintainability and scalability.
- Collaborate closely with UX/UI designers to translate visual concepts into functional web interfaces.
- Implemented streamlined workflows and emerging technologies, enhancing development efficiency by 15%.

Saint Leo University · St. Leo, USA
*Adjunct Professor* · *Aug 2023 – May 2024*

- Designed and delivered undergraduate online courses in Music Theory, History and Philosophy, receiving high student evaluations for teaching effectiveness and course quality.
- Leveraged cutting-edge technologies and programming languages like **Python** and **JavaScript** to enhance teaching methodologies and learning experiences.

Federal University of Pelotas · Pelotas, Brazil
*Adjunct Professor* · *May 2021 – May 2022*

- Designed and delivered undergraduate courses in Applied Percussion and Percussion Pedagogy, leveraging advanced technologies to improve teaching and learning experiences.
- Supervised and mentored students on their dissertations, offering comprehensive guidance on research methodologies, theoretical frameworks and academic writing.
- Provided mentorship to teaching assistants, fostering their academic growth and success within the curriculum.

## Projects

BookHive · 2024 – Present
*git.sr.ht/~jagrg/book-hive*

A lightweight, full-stack **React** and **TypeScript** application leveraging AI technology to help users discover books to read. With a perfect score on all Lighthouse metrics, the app integrates RESTful APIs to deliver curated suggestions from user input and automated scripts, featuring up-to-date book information, purchase options, multilingual support (i18next), and WCAG-compliant accessibility.

GreenLedger · 2024 – Present
*greenledger.com.br*

A full-stack **Vue** and **TypeScript** blockchain application designed to monitor and calculate carbon emissions in real-time using IoT technology. Built to align with global sustainability, the app empowers companies to achieve their net-zero goals efficiently, providing transparency, automated compliance reports and a smart dashboard for real-time visualizations.

Constructore                                                          2024 – Present

A modern education platform built with **React** and **TypeScript** to support public universities in Brazil. Wrote 10,910 lines of code, accounting for 23.2% of the total codebase by translating Figma designs into functional, responsive, and accessible web interfaces. Gained expertise in advanced React patterns, TypeScript's type system, and performance optimization by refactoring legacy code, leveraging tools like React Developer Tools, Prettier, and ESLint to debug, profile, and maintain high code quality.

Rhything                                                             2024 – Present

A responsive sight-reading web application built with **React** and **Material-UI** to generate sheet music on demand using the Markov Chain model. Unlike purely randomized models, this approach draws on existing compositions to organize notes coherently. Incorporates abcJS for music notation rendering and Tone.js for audio playback to deliver a seamless user experience, leveraging CI/CD pipelines and Vite for fast builds and deployments.

## Skills

Programming Languages:  TypeScript, JavaScript (ES6+), Common Lisp, ELisp, Shell/Bash, Python

Frameworks & Libraries:  React, NextJS, Vue, styled-components, i18next, Jest

Development Tools:  Vite, CI/CD, Supabase, Figma, Prettier, ESLint, Git, Emacs, Linux

Soft skills:  Communication, collaboration, teaching, learning, critical thinking, problem-solving

## Languages

- Portuguese – Native Speaker
- English – Fluent (C2), with excellent written and verbal communication skills
- Spanish – Intermediate
- French – Basic

## Education

| | |
|---|---|
| PhD, Social Anthropology, Queen's University Belfast | 2013 – 2018 |
| MA, Musicology, Federal University of the State of Rio de Janeiro | 2010 – 2012 |
| BA, Music Education, University of North Texas | 2002 – 2006 |

## Professional Development

| | |
|---|---|
| Front-End Developer Professional Certificate \| React, JavaScript, UX/UI, Git \| Meta | Mar 2025 (expected) |
| Design and Development using Figma \| UX/UI prototyping, design systems \| Coursera | May 2024 |
| JavaScript Algorithms and Data Structures Certification \| String & Array Methods \| freeCodeCamp | Jun 2023 |
| Responsive Web Design Certification \| HTML, CSS, animation, accessibility \| freeCodeCamp | May 2023 |
| Web Scraping for Musicologists \| University of Birmingham | May 2022 |

## Grants & awards

| | |
|---|---|
| Adjunct Professor Nomination (10/2022), State University of Rio Grande do Norte | 2022 |
| Adjunct Professor Nomination (31-2019), Federal University of Pelotas | 2021 |
| Ciência sem Fronteiras, Capes Foundation, £65,000.00 | 2013 – 2017 |
| Demanda Social, Capes Foundation, R$28,800.00 | 2010 – 2012 |
| Dean's Honor Roll of Scholars, University of North Texas | 2006 |