LEANDRO TK

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PROFILE

I am a software engineer with 9+ years of experience doing frontend software engineering and building digital products for different markets.

EXPERIENCE

SmartNews, Japan — *Senior Web Software Engineer (Remote)*

2021 - PRESENT

- Working on the **design system** to make the web product UI more consistent and **improve the experience for engineers** to reuse components.

- **Migrated from Flow to TypeScript** and enforce the types by type checking on the continuous integration system.

- Add **Cypress integration tests** for the most critical flows of the product and run them on the continuous integration system.

- Improved the developer experience of the build system **replacing Rollup with ESBuild**.

QuintoAndar, Brazil — *Senior Frontend Software Engineer (Remote)*

2019 - 2021

- **Presented tech talks** about functional programming, accessibility, typed state management with TypeScript, web performance, and integration testing using Cypress.

- **Setup performance metrics** using Speed Curve, Lighthouse CI, and Webpack Chunks. Also, set up a Danger plugin to compare bundles and break Pull Requests when the bundle passes the threshold.

- **Reduced 71% of JavaScript Total Size** from the Landing Page by removing unnecessary JS libraries. Fixed **React code splitting** for routes and reduced JavaScript Total Size by 55%.

- **Reduced 35% of the time in the CI build** by building continuous delivery.

- **Documented a vision and strategies** for the future of **React Applications**: Domain-Driven Design (DDD), tests with Testing Library (unit) and Cypress (integration), pre-commit hook with eslint and prettier to fail fast, and TypeScript for the state management.

- **Improved the error logs and performance metrics instrumentation** to make it easier to find critical bugs related to UX or web performance. Now we have better ways to find and debug critical bugs in the Sentry Dashboard and Real User Metrics (RUM) dashboard to track performance improvements.

- Built a monthly earnings chart for all QuintoAndar's affiliates to **increase engagement using the Nivo chart** and **rebuild the affiliates' products** to support the two Quintoandar markets: for sale and rent. Results: 580% more leads with the new product.

- **Built a Backend For Frontend** (BFF) in NodeJS (serverless) to serve as an API to the PWA app: authentication, authorization, photo sessions list, and details.

- Built the **new onboarding experience** and **house draft feature** for real estate owners. Also improved house edition discoverability reducing more than 50% of house editions made by customer support.

Worldpackers, Brazil — *Senior Software Engineer*

2016 - 2019

- **Product internationalization** and **SEO improvements** to expand Worldpackers to a global market.

- **Developed a Medium-like content editor** to empower travelers to create UGC on the platform.

- Built **tools to reduce operation time** like bad reviews and payment errors dashboard.

- **A/B tests to experiment** with new products and features in the search, position listing, community, and articles.

- Responsible for showing data insights, metrics, and results for every team using **SQL queries**.

Codus Tecnologia, Brazil — *Software Engineer*

2014 - 2016

- **Redesigned** the whole HotelQuando website for the **mobile version**.

- Built user accounts, alerts for products, and category filters for Econovia.

- Responsible for **managing a team of 3 engineers**, designing the system, managing the project, and planning the sprints.

ADDITIONAL EXPERIENCE

TK Blog — *Writer*

I write blog posts about software engineering, my experiences, and what I'm currently learning. Topics: JavaScript, TypeScript, Frontend, Automated Tests, Functional Programming, Algorithms & Data Structures, ReactJS.

Github — *Open Source*

I maintain some repositories on github:

- FP: A learning path for Functional Programming
- Algorithms: My studies on algorithms and data structures
- Web Performance Research: My studies on web performance
- Laziness: Tools for better developer experience

EDUCATION

Descomplica Faculdade Digital

2022: Bachelor's degree, Computer Science

FATEC-SP

2016: Analysis and Systems Development - Technical College

SKILLS

Programming Languages & Technologies

JavaScript, TypeScript, React, Redux, NextJS, Webpack, Jest/Cypress/Testing Library/Mocha, NodeJS, CSS, HTML, Ruby, Python, Clojure, PostgreSQL.