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PROFILE

I am a software engineer with 7+ years of experience doing full-stack web development and building digital products for different markets.

EXPERIENCE

QuintoAndar, Brazil – Senior Software Engineer

2019 – PRESENT

- Did 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 fail 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 also Real User Metrics (RUM) dashboard to track the results of perf improvements.
- Built a monthly earnings chart for all QuintoAndar's affiliates to increase engagement using Nivo chart and rebuild the affiliates' product to support the two Quintoandar's markets: for sale and for rent. Responsible for payments APIs for affiliates built with Clojure and PostgreSQL. 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 edition 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 to 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.
- Built a travel community around travel content with comments, likes, and report features.
- 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 account, alerts for products, and category filters for Econovia.
- Responsible for managing a team of 3 engineers, design the system, manage the project, and plan the sprints.

EXTRA-CURRICULAR ACTIVITIES

TK Blog – Writer

I write [blog posts](#) about software engineering, my experiences, and what I'm currently learning. Topics: JavaScript, TypeScript, Functional Programming, Algorithms & Data Structures, ReactJS.

Github – Open Source

I maintain some repositories on [github](#):

- [Laziness](#): Tools for better dev experience
- [FP](#): A learning path for Functional Programming
- [Algorithms](#): My studies on algorithms and data structures

SKILLS

Programming Languages & Technologies

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