

MARCEL COELHO

SENIOR JAVASCRIPT ENGINEER



PROFESSIONAL PROFILE

Hey! My name is Marcel Coelho, I'm a software engineer from Brazil, with 5+ years of experience with JavaScript, currently working with React and Typescript and looking for an opportunity to be part of a product/startup team.

I love working on complex problems with teams of talented people. I hate being the smartest guy in the room. I speak near native English, know a thing or two about design and love to watch Rick and Morty. I'm a very driven and committed person and I love public speaking.

EXPERIENCE

SENIOR FRONTEND ENGINEER

Novatics (Appen) / Jan 2020 - Now

I developed the project architecture now used in most new Appen frontends, using React, Redux and Sagas. I'm also leading the development of a component library written in TypeScript.

- Projects were organized in a FLUX architecture using Redux as the source of truth and Redux-Saga and its generators pointing to a Spring Boot REST backend.
- Our biggest challenge was to keep the old UI working alongside the new implementation, since JSPs and React apps work in totally different ways.
- We choose to use TypeScript for the component library for better documentation purposes and implemented components using the Override Pattern for flexibility.

SENIOR FULLSTACK ENGINEER

Escolare / Feb 2020 - Oct 2020

I developed both the frontend, using React and Typescript, and the backend, using Firebase Cloud Functions and Hasura GraphQL. I also implemented a school-focused live-video chat feature using NodeJS (with Socket.IO), Mediasoup and WebRTC.

- We used a Container + Component pattern with both Recompose and Hooks. As our GraphQL client, we choose Apollo.
- I helped plan and design most of the screens for the app (using Figma) as we didn't have any designers on our team.

FRONTEND ENGINEER

CooperSystem (IPEA) / Aug 2018 - Jan 2020

I joined the project two sprints in and the code was very messy, using jQuery patterns in a React app. I rewrote most of the code using the FLUX architecture, with Redux Form for input management and Redux Thunk for side-effects.

- We implemented Continues Integration & Delivery with Jenkins using Docker containers. It was the best deploy experience I ever had.

✉ sayhello@devmarcel.com

📞 +55 61 99935-4900

🌐 github.com/flasd

linkedin linkedin.com/in/flasd

SKILLS

Advanced JavaScript

TypeScript

Git

Advanced React

React Native

Styled Components

Jest

Cypress

EDUCATION

COMPUTER ENGINEERING

Universidade de Brasília, Brazil
2017 - 2019

ACHIEVEMENTS

REACT IS NOT REACTIVE TALK

For 200+ people at BrazilJS Talk
2019

JS GENERATORS & SAGAS TALK

For 100+ people at React BSB
2020

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EXPERIENCE CONTINUED

FRONTEND ENGINEER

Connect (Sebrae) / Oct 2019 - Jan 2020

I developed both the Courses and Events modules for their native app using React Native. I also organized and implemented their Git into a Feature Branch + Pull Requests workflow.

- The project was not following any single design pattern. I encourage them to use the Container + Component one with Recompose and Formik.
- Our biggest challenge was to integrate code from 20+ developers working at the same time in the same app.

REFERENCES

ÁLVARO SOUZA

Co-Worker
Novatics
+55 61 9 9806-0703
alvaro@novatics.com.br

FABRÍCIO MONTEIRO

Co-Worker
Novatics
+55 61 9 8360-8622
fabricio@novatics.com.br

FREDERICO GUERRA

Innovation Coordinator
CooperSystem
+55 61 9 9119-7102
frederico@coopersystem.com.br

ISMAEL SANTOS

Squad Lead
CooperSystem
+55 61 9 8147-8400
ismael.paiva@coopersystem.com.br

OPEN SOURCE PROJECTS

CPFCHECK

Brazilian ID validation
[npmjs/cpf-check](https://npmjs.org/package/cpf-check)
6k+ monthly downloads
Pet project first written when I was a teenager.

STRIP INVARIANT

Babel plugin
[npmjs/babel-plugin-strip-invariant](https://npmjs.org/package/npmjs/babel-plugin-strip-invariant)
2k+ monthly downloads
Created when I was studying ASTs and how transpiling JS works.

EXPRESS YUP MIDDLEWARE

Schema validation for express
[npmjs/express-yup-middleware](https://npmjs.org/package/npmjs/express-yup-middleware)
~500 monthly downloads
I wanted to use yup schema validation on the day-to-day

FIREPLATE

React boilerplate for Firebase
[github/fireplace](https://github.com/github/fireplace)
Created before CRA was a thing
Usefull for deploying server-side rendered React apps to Firebase.

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SOFT SKILLS

Great written communication

Prioritizing

Open-mindedness

Decision making

Reframing

Integrity

Self-motivated

Empathy

Versatility

OTHER INTERESTS

Listening to audio books.

Barbecuing and meeting new people

Planning and Productivity

Self-development and psychology

INTERESTING FACT

When I was 12 years old I had a Club Penguin blog with over 20K unique monthly visitors!!