

Henrique Mascarin

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ABOUT

Currently, I have over 3 years of experience in programming. Started with Front-end and now focusing on mobile. Along the way, I developed my own company on Google Play from scratch until the publication of the Media Timer app. Now, I'm looking to build other projects to challenge myself, such as the new e-commerce app under development called Star T-Shirts.

For the mobile area, I bring my experience as a Front-end developer, including good accessibility practices, clean code, semantic HTML, and SEO. As an experience, I currently work on the SG Master Web system with hundreds of clients, where my team and I developed the project from scratch with Vue. I also have a solid base with React.js because it's the main technology I use in most of my websites in my portfolio and others on GitHub. Furthermore, I have experience with CSS derivatives on websites, such as Sass, Styled Components, and Tailwind CSS.

EXPERIENCES

SGBR® Sistemas – Front-end Developer (july/2023 - present)

- Creation, maintenance of the Landing Page and its screens after login.
- Development of new implementations and maintenance of the new SG Master Web system.
- Review of practical tests about the new talents for the team, code review about pull requests, and I always help or instruct when they need my help to solve a problem.
- Implementation of new user permissions. Highlighted, I formatted the response from the back-end, for example: 'REGISTRATION.GROUP:MENU', in the structure of menus, submenus, and permissions. Then, this data is sent to the permissions component, offering the user the possibility to choose and increasing flexibility by 100%.
- Implementation of the new V2 filter of the Back-end, to have greater flexibility in the filtering of APIs on the Front-end, especially in select components of old and new models.
- Customizations of Quasar components via CSS file, making the design different from the framework's default. To make these changes, I had to use the DevTools inspector a lot.
- Implementation and alignment with the Back-end team about margins and sending emails for tax documents. Furthermore, in the settings of each module, it is possible to change the footer sent in the email in a WYSIWYG editor.

Technologies: Vue, Quasar, JavaScript, Tailwind, State management (Pinia), Yup, Semantic HTML, CSS3, Consumption of REST APIs, SOLID principles, Scrum, Kanban, Git, GitHub.

Henrique Mascarin – Founder and Mobile Developer (august/2024 - december/2024)

- Build my brand on Google Play and take care of marketing about the apps on company's LinkedIn.
- Develop, publish and maintain in production the Media Timer app on Google Play.
- I used AdMob to place ads in apps.
- Project licenses, to avoid copies.
- Handle privacy policy and other Google issues related to the apps.

Technologies: Expo, React Native, TypeScript, State management (Redux), Design UX/UI (Figma), i18next, Git, GitHub, Notifee, AdMob, Local storage, ARIA Accessibility, AdMob.

PROJECTS

Media Timer – Completed ([Download the app](#) - [Privacy policy](#) - [GitHub](#) - [Design](#))

Timer application, with the objective to solve a personal problem.

- Publication on Google Play in production, with license for the project and privacy terms.
- Implementation of selecting sounds from the cell phone. After that, they will be saved in the history that uses the rn-fetch-blob library and device permissions to find the file when you choose it.
- App in English/US and Portuguese/BR (depends on your device language) with i18next.
- Dark and white theme, I created a React Context API to manage this state and, through native code, I made cell phones (for example, Xiaomi) do not change the theme colors for others.
- The timer runs in the background, and if you remove the notification, it turns off the timer.
- Device permissions to grab the music files that the person selects.
- I improved accessibility with ARIA and removed the possibility of changing the size of texts using the user's cell phone because it was breaking the logic of the timer numbers.
- Notifications with Notifee, showing the status of the application.
- I updated the Expo SDK version from 48 to 51 and had to make numerous changes to the native code, according to the Expo website. I tested all dependencies to see if there was a problem with the new version.
- AdMob ad banner at the bottom and the Google settings to work in production.

Technologies: Expo (Bare Workflow, EAS for builds), React Native, TypeScript, State management (Redux), Design UX/UI (Figma), i18next, Git, GitHub, Local storage, ARIA Accessibility.

Star T-Shirts – Under development ([GitHub](#) - [Design](#))

Fictitious e-commerce application, exclusively for t-shirts.

- Fictitious Back-end with local storage.
- Native module to display the Splash Screen, written with Kotlin.
- React Navigation for Routes.
- The project structure has created as it was a real product.
- Form screens with React Hook Form, and has Zod validations.
- Situational alerts developed from scratch, generated through global state, and used primarily for requests from the fictional backend.
- Integration testing with Jest and React Native Testing Library.

Technologies: React Native, TypeScript, State management (Redux), Design UX/UI (Figma), Jest, React Native Testing Library, Zod, React Hook Form, Git, GitHub, SOLID principles.

LANGUAGES

Portuguese (Brazil) – Native. **English** – Upper intermediate (B2 – [EF SET](#)).

EDUCATION

RSTI Front-end – [Senac RS](#) / Trails (Programming Logic and Front-end Web Development) - AUGUST 2022 – MARCH 2023

- A vocational course, face-to-face, that has the objective to empower students for the job market as software developers. Teaching programming logic, HTML5, CSS3, and interface design.

Complete Web Design Course – [Udemy](#) - NOVEMBER 2022

- I learned how to develop websites using HTML, CSS3, and JavaScript. With a special touch of semantics, accessibility and programming logic.

Algorithms and Programming Logic Course – [Udemy](#) - APRIL 2022

- In this course, has presented the base of programming logic, with exercises about different programming languages and explanations about the subject.