

# Fernando Rodríguez

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Portfolio: <https://fernandorodriguez.dev>

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**Frontend Developer** with 4 years of experience, focused on product design and UX using React, TypeScript, and Tailwind. Committed to writing readable, testable, and maintainable code that follows best practices and clean architecture.

## Experience

JUN 2023 – PRESENT

### Frontend React Developer

I contribute to the development of the new version of Archivex Clinical, a management software for clinics with over 8 million users. On a daily basis, I work with Electron alongside React, Redux, and TypeScript as core technologies. I'm involved in maintaining the company's component library, managed with Storybook and Tailwind. Occasionally, I also participate in developing the tablet and mobile application using React Native. On an individual level, I have been in charge of:

- Migrating the component library to **Storybook 8** and **Tailwind 4**, modifying the color and theme management of the application by using CSS variables along with Tailwind variables. This improvement removed the need to statically generate a vast number of Tailwind classes, increasing the project's build speed by 78% and enhancing the entire team's development experience.
- Reducing the main application's build time using **Webpack**. By separating heavy modules into different files and readjusting the application architecture, we were able to implement lazy loading for large-scale functionalities, significantly cutting down build times.
- Creating and maintaining a **monorepo** with **Yarn Workspaces** to reuse the business logic of one of the program's key modules (the clinical history) across multiple projects. I set up **GitHub Workflows** to **automate tests**, compilation, and **npm package** publication.
- Collaborating with the backend team to create a new module in the program. I implemented **Zustand** and **Immer** for data management, applying presentational/container design patterns for testable components. I also used **Vitest** and **React-Testing-Library** for unit and component testing, following clean architecture principles and **Domain-Driven Development (DDD)**. Additionally, I configured other development tools such as **ESLint** and **Prettier**.

OCT 2022 – JUN 2023

### QA tester

I participated in two international projects, defining test cases alongside my teammates and the development team. I coded automated tests using **Cypress**, following **Behavior-Driven Development (BDD)** and the **Page Object Model (POM)**. I wrote code in TypeScript, **Cucumber**, and **Gherkin**, while using **Jira** for task management.

- I was responsible for designing **accessibility tests**, ensuring the application complied with WCAG 2 standards.
- I trained a newly graduated colleague during her initial stage, guiding her through her first weeks working with **TypeScript** and **Cypress**.

## Skills

React 18,19 • Typescript • Tailwind 4 • Storybook 8 • Electron • Vitest • React-Testing-Library • Cypress • Redux • Redux Toolkit • Redux Toolkit Query • Zustand • Immer • React Native • Electron • Javascript • **Semantic HTML** • NextJS • NodeJS • MongoDB • Google Cloud Platform • English C1 • Agile • Jira • ESLint • Prettier

## Education

2021 - 2022 – I.E.S. VENANCIO BLANCO (SALAMANCA)

**Advanced Vocational Degree in Web Application Development**

Final project grade: 10

2019 - 2021 – I.E.S. VENANCIO BLANCO (SALAMANCA)

**Advanced Vocational Degree in Multiplatform Application Development**

Final project grade: 10

## Activities and Projects

In my spare time, I primarily focus on producing music on my computer, practicing contact sports (specifically Muay Thai), and developing personal projects that satisfy my curiosity for creating and learning new things. I also enjoy going out with friends and playing foosball.

I'm currently developing Futbol-In, an application that allows foosball enthusiasts like me to locate foosball tables in different cities. I'm using **NextJS**, **MongoDB**, **Mongoose**, **Google Cloud Platform**, **Google Maps API**, **React 19**, and **Tailwind 4**.

## Courses and Certifications

- *Refactoring: Write Awesome Code* by Refactoring Guru.
- *Enterprise-Level Interface Development: Testing and Quality Code* by Frontend Masters.
- *Compiling JavaScript Applications with TypeScript* by Microsoft.
- *Meta Front-End Developer Professional Certificate* by Meta.