

MARIO CARLOS ROCA PEÑAFIEL

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FRONTEND DEVELOPER

ABOUT ME

I am a senior frontend developer with over 10 years of experience, specializing for the last 6+ years in JavaScript technologies such as React.js, React Native, Next.js, Astro, Vue, and Nuxt.js with TypeScript. Residing in Spain, I work exclusively remote. I build scalable and high-performance web applications; my approach combines engineering and design.

For global state management in the React ecosystem, I use Zustand, Redux Toolkit, React Query, TanStack Store, or Context API. In Vue or Nuxt.js, I prefer Pinia. Both with TypeScript. However, MobX or Signals are also excellent alternatives.

Regarding styling, I use modern pure CSS (nested) or Sass, taking advantage of its new features, or CSS-Modules, both under BEM. However, many projects have required TailwindCSS and/or ShadCN UI. Likewise, I have experience using Styled-Components.

I structure based on hexagonal architecture (Domain, Application, Infrastructure) and componentize in a monorepo or separate repo under Atomic Design or Domain Driven, with respective documentation in Storybook and testing with Testing Library. For unit testing, I use Vitest.

For an agile backend, I usually use Headless CMS like Strapi, GraphCMS, or WordPress via a plugin that exposes its REST API or GraphQL, or SaaS platforms like Supabase or Firebase.

I have many years of experience working on the frontend side of monolithic projects using Symfony, Ruby on Rails, Django, Spring Boot, and WordPress. I have worked across various industries, including Retail, Real Estate, Fintech, and Digital Marketing.

PROFESSIONAL EXPERIENCE

Changetheblock

Madrid / Remote

Frontend Developer

March 2024 - Present

- Developed React.js and Next.js applications in TypeScript, implementing hexagonal architecture (application, domain, infrastructure).
- Developed mobile applications with React-Native using Expo.
- Managed global state using Context API, Redux Toolkit, and Zustand.
- Handled remote state with React Query, optimizing fetching and caching.
- Created reusable components documented in Storybook.
- Built responsive styles and styling with Tailwind CSS, Shadcn, Sass, and CSS Modules based on BEM.
- Developed with a strong focus on WCAG accessibility standards.
- Conducted unit testing using Vitest.
- Utilized server actions using Next.js.
- Developed microfrontends using Module Federation in Webpack.
- Key Clients: Mercedes Benz, Reale, BCG.

PIXIE (Client: Ayesa)

Madrid / Remote

Senior Frontend Freelance

March 2025 - November 2025

- Developed a whistleblowing channel application for the Basque Government via E3IE.
- Designed and implemented the user interface using React.js, TypeScript, and TailwindCSS.
- Applied Hexagonal Architecture (domain, application, infrastructure).
- Utilized React-query, Zustand, and Tanstack Store for state management.
- Focused on WCAG accessibility compliance.
- Documented in Storybook and performed testing with Testing Library.
- Wrote unit tests with Vitest.

PIXIE (Client: The Cocktail)

Madrid / Remote

Frontend Developer Freelance

May 2024 - November 2024

- Developed the Primagas application featuring event management for communication (Bridge) with native iOS and Android mobile apps.
- Implemented React.js and TypeScript following a hexagonal architecture (domain, application, infrastructure).
- Managed global state using Zustand and React-query.
- Documented components in Storybook and improved accessibility (WCAG 2.1).
- Styled components using Styled-components, TailwindCSS, CSS, and CSS-Modules.
- Performed unit testing using Vitest.

BlinkLearning

Madrid (On-site)

Frontend Developer

October 2023 - January 2024

- Educational project: white-label application for top-tier publishers like Oxford, Macmillan, Santillana, and Cambridge.
- Built modules for the educational system and publishers developed in React, TypeScript, and React Native (GraphQL/Apollo).
- Componentized and documented using Storybook, implementing styles with object-based inline CSS (Tailwind CSS in secondary environments).
- Improved accessibility (WCAG 2.1) and drastically reduced load times by 30%.

Dékuple Iberia

Madrid (Hybrid)

Frontend Developer

July 2020 - October 2023

- Developed applications for major brands in the incentive marketing sector, such as Burger King, L'Oréal, Mapfre, AXA, and BigMat.
- Developed React applications with TypeScript and React-Native for mobile apps, connecting to Ruby on Rails microservices and REST APIs.
- Utilized hexagonal architecture and implemented microfrontends using Webpack Module Federation.
- Developed frontend on monolithic applications in PHP and Ruby on Rails, as well as Twig templates in Symfony and Symfony 2.
- Managed global state with Redux, Redux-toolkit, Recoil, React Query, and Mobx.
- Implemented reusable components, performed visual testing in Storybook with Testing Library, and unit testing using Vitest.
- Styled using Tailwind CSS, modern CSS, and Sass with CSS-Modules based on BEM methodology.

ALTEN

Madrid

Computer Consultant

May 2019 - July 2020

- Developed frontend solutions for Unidad Editorial and ADLPerformance platforms, utilizing React, Redux, Redux-sagas, and Sass under BEM.
- Integrated analytics via Google Analytics and Hotjar, and performed SEO optimization for organic performance.
- Designed user interfaces and layouts using Figma.

Solven

Lima

Frontend Developer

August 2017 - November 2018

- Developed the frontend for the Fintech startup Solven, including the design and implementation of user interfaces.
- Developed frontend views using HTML, CSS, and JS within the Thymeleaf template engine on Java Spring.
- Created complex interactive modules using React 16 class components.
- Drafted proposals, designs, and artistic creations for digital marketing campaigns and strategies.

TREM Group

Miami (Remote) / Lima

Frontend Developer

March 2016 - August 2017

- Developed the frontend and new features for multiple luxury real estate agent websites in Miami, managing modules via WordPress.
- Developed using HTML, CSS, JS, JQuery, and Backbone.
- Developed "MAGIC", an award-winning application built using Angular.js and Apache Cordova.
- Developed MVPs in JS (ES6), HTML5, CSS3, and real-time APIs.

Sportafolio (Wayra)

Lima (On-site)

Frontend Developer

October 2015 - March 2016

- Developed the frontend for a project created by young entrepreneurs, accelerated and supported by the Wayra incubator (Telefónica).
- Developed the platform using WordPress, HTML, CSS, JS, and JQuery.
- Created design proposals for new components and subsequently coded their implementation.

Involucra

Lima (On-site)

Frontend Developer

June 2015 - September 2015

- Developed websites for companies in Italy and major brands in Peru (such as ChefQuinoa and Maido restaurant).
- Developed the frontend using WordPress, HTML, CSS, and Javascript.

Staff Creativa

Lima

Frontend Developer

September 2014 - June 2015

- Developed for multiple major national clients such as Asperger, RenzoCosta, and Tecsup.
- Developed frontend interfaces using Pug, HTML, Stylus, Sass, CSS, JQuery, and Javascript.
- Integrated and developed Twig templates for the Python Django environment.

elab Digital

Lima (On-site)

Junior Mobile Developer

April 2014 - September 2014

- Developed web and mobile applications focused on Augmented Reality.
- Implemented interactive experiences utilizing the specialized framework from D'Fusion.

Esfera Digital / Wayra

Lima (On-site)

Junior Frontend Developer (Omnigy Project)

January 2014 - April 2014

- Fullstack development for the innovation and entrepreneurship project "Omnigy", winner of the Wayra Peru Incubator.
- Implemented the platform built by Digital Sphere agency using WordPress, HTML, CSS, and Javascript.

CROSSNET S.A.C.

Lima (On-site)

Junior Java Developer

July 2013 - February 2014

- Professional Internship focused on creating back-office applications.
- Developed in Java using tools provided by Oracle ADF Faces Middleware.

EDUCATION

CIBERTEC

Computing and IT

2010 - 2014 | Lima

SKILLS

