

Carlos Ortiz Senior Frontend Developer

Helping companies modernize and standardize frontend development.

PROFILE

During more than 4 years at Network Rail, I transformed the way the External Communications department delivered digital products by introducing a shared design system, standardizing development workflows across multiple agencies, and improving technical documentation. These initiatives created a more consistent, scalable, and efficient development process for both internal teams and external partners.

EXPERIENCE

Founder & Lead Developer

June 2025 – Present

ReactChallenges.com · SaaS
Remote, Spain

Built an interactive platform that simulates real React technical interviews, where developers solve timed coding challenges in TypeScript with instant test-based feedback and a realistic development environment.

Lead Frontend Engineer

September 2024 – February 2025

FlowArchitect · Contractor
Remote, Spain

In FlowArchitect our mission is to empower developers and businesses by transforming complex AI workflows into seamless, open-source solutions. We simplify AI integration through accessible, flexible, and scalable tools, enabling innovation and productivity across applications of all sizes.

AI Engineer — WordPress Developer

April 2023 – April 2025

MainGPT (formerly Urchin Labs) · Contractor
Remote, Spain

Started building a ChatGPT-powered customer service tool at Urchin Labs, integrating OpenAI and Pinecone vector database for WooCommerce sites. When the startup did not secure follow-on funding, I took full ownership of the project — completing development independently, documenting specifications, and launching it as MainGPT, an AI-powered chat assistant for online businesses with semantic search, contextual memory, and seamless WordPress integration.

Lead Full Stack Web Developer

Feb 2018 – April 2022

Network Rail · Full time
Milton Keynes, United Kingdom

Network Rail is the owner and infrastructure manager of most of the railway network in Great Britain. As a public sector body, accessibility and compliance were core requirements. I worked on several projects for the company's internal systems, primarily leading the development of the new corporate website and providing guidance to other teams and agencies.

Web Developer

Nov 2015 – Nov 2017

Klood Ltd · Full time
Milton Keynes, United Kingdom

Klood was a digital marketing agency based in Milton Keynes that specializes in inbound marketing.

CONTACT

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LANGUAGES

Spanish - Native
English - Profesioanl

EDUCATION

Degree in Arquitectura Técnica

Universidad de Extremadura
1997 – 2002 · Cáceres, Spain

SIDE PROJECTS

Wod Academy

<https://coach-wod.vercel.app/>
A platform that helps people generate the best workout tailored to their needs.

Aplyin

<https://www.aplyin.com/>
A platform that helps people to track and apply for the best job opportunities tailored to their needs.

Play Soroban

<https://duffmancc.github.io/play-...>
A simple web app to practice the Japanese abacus soroban.

TECHNOLOGIES

- A18y (WCAG)
- Algolia
- Alpine.js
- Astro
- BEM
- Bedrock
- Bootstrap
- CSS3
- Chromatic
- Common Workflow Language
- Composer
- Docker
- Drizzle
- Express
- Figma
- Git
- GitHub Actions
- GitLab
- GraphQL
- Gulp
- HTML5
- JWT
- Laravel
- Next.js
- Node
- OAuth
- OpenAI
- Pinecone
- Playwright
- PostgreSQL
- PrestaShop
- React
- Rete.js
- Sage
- Sandpack
- Sass
- Shadcn/ui
- Storybook
- Stripe
- Tailwind CSS
- TypeScript
- Vercel
- Vitest
- Vue.js
- Vuex
- WP Engine
- Webpack
- WooCommerce
- WordPress
- cPanel
- jQuery