

Frontend Developer with over 3 years of experience building **responsive, accessible, and high-performance interfaces**. Skilled in **React, Next.js, and TypeScript**, and experienced in collaborating with UX/UI teams to transform Figma prototypes into functional, user-friendly products. Focused on optimizing performance and usability. Passionate about clean, maintainable code and delivering outstanding user experiences.

EXPERIENCE

Frontend Developer - Agropaís | Ecuador, Front Developer — August 2024 - May 2025

- Led UI optimization for an agricultural process management system covering crop monitoring (planting, harvesting, production), agricultural input sales, and crop insurance services.
- Developed a **query and CRUD system using Server Actions and Next.js API Router**, adding a security layer.
- Granular role-based access control with module-level permissions.
- Optimized performance with **React Server Components**, lazy loading, and code splitting, reducing bundle size by 60% and initial load time by 40%.
- Built a data table system with **server-side pagination, dynamic filters and URL state persistence**.
- Integrated **Leaflet GIS** for interactive maps with drawing and area measurement tools.
- Implemented a **push notification system** using Firebase Cloud Messaging.
- Designed a modular architecture with **Shadcn UI and TailwindCSS**, ensuring visual consistency and reusable components.
- Used SWR for server-state management and caching, reducing redundant API calls and improving data fetching performance.
- Implemented a **dynamic form builder system** with conditional validation, nested subforms.

Tech Stack: Next.js 14, TypeScript, TailwindCSS, Shadcn UI, NextAuth.js, Firebase Cloud Messaging, Leaflet GIS, NUQS, SWR, YUP, React-Hook-Form.

Full Stack Developer - ExportMétricas, Full Stack Developer — October 2023 - July 2024

- Development of a comprehensive **enterprise web application** for the full management of the banana export process, including management of producers, clients, logistics and payments.
- Implemented a user management system with **role-based access control** and **granular permissions** for different user levels.
- Developed **inventory management and product traceability** modules from harvest to export.
- Created an **invoicing and payment management system** with integration of multiple payment methods and financial report generation.
- Designed a **modular architecture with NestJS** using DTOs, guards, interceptors and centralized exception handling.
- Integrated Firebase for push notifications and **user authentication with JWT and refresh tokens**.
- Developed a responsive interface with **Chakra UI and Material-UI** optimized for mobile and desktop devices.
- Implemented **React Query** for efficient server state management, caching and real-time data synchronization.
- Used **Prisma** as ORM for database management with PostgreSQL and Firebase for file storage.

Tech Stack: React, NodeJs, Nextjs, Nestjs, Typescript, Prisma, Firebase, React-Query, ChakraUI, Material-UI, Formik, YUP.

Full Stack Developer - BanaMétricas, Full Stack Developer — August 2022 - September 2023

- Developed a **full backend system** for agricultural operations management (employees, payroll, farms, tasks, and automated reports).
- Built a **multi-tenant architecture** to support multiple agricultural companies with granular role-based permissions.
- Implemented a **payroll automation module** handling loans, advances, and work schedules.
- Created an **automated reporting system** with PDF generation and dashboards for weekly and monthly metrics.
- Applied a **modular NestJS architecture** with DTOs, guards, interceptors, and centralized exception handling.
- Designed **multi-layer security**: JWT with refresh tokens, Passport.js, API Keys, password hashing with bcrypt, and full auditing.

Carlos Cuesta

FullStack Developer

Machala, Ecuador (GMT-5)

(+593) 0997198525

carlosmiguel7cb@gmail.com

<https://linkedin.com/in/carlos-miguel-cuesta>

- Automated tasks with **cron jobs and email notifications** using Resend.
- Integrated with **Firebase** (push notifications) and **Docker** (multi-stage containerization).
- Ensured system quality with **Vitest, E2E and integration tests**.
- Built a **comprehensive frontend dashboard** with interactive charts and real-time metrics using **Recharts**.
- Implementing **React Query** for efficient server state management, caching, and real-time data synchronization
- Implemented a modular component architecture with **reusable UI components using Chakra UI and Material-UI**.
- Developed form systems with **Formik and Yup validation** for agricultural data management.
- Created a **responsive design** system optimized for mobile devices with touch-friendly interfaces.
- Implemented **role-based access control** with dynamic navigation and permission-based UI rendering.
- Designed an intuitive user interface for managing employees, payroll, work progress, and farm operations.
- Optimized frontend performance with lazy loading, memoization, and efficient state management.

Tech Stack: React, Nodejs, Nextjs, Nestjs, Typescript, Prisma, Firebase, React-Query, ChakraUI, Material-UI, Formik, Yup, Recharts, html2canvas, jsPDF.

Full Stack Developer - Venco, Full Stack Developer— January 2022 - July 2022

- Designed and developed a sales and collections management system for small businesses.
- Included user management, sales tracking, and report generation.

Tech Stack: React, Typescript, Node, Mongoose, Express.

PROJECTS

CryptoApp

- Web application for real-time cryptocurrency tracking and analysis. Features interactive charts, historical data visualization, and responsive design.

Tech Stack: React, Typescript, Vite, TailwindCSS.

SKILLS

Frontend: HTML5, CSS3, JavaScript, TypeScript, React, Next.js, TailwindCSS, Chakra UI, Shadcn.

Backend: Node.js, Express, NestJS, Prisma.

Databases: MongoDB, MySQL, PostgreSQL, Firebase.

Design & UX/UI: Figma, Responsive Design.

Version Control: Git, GitHub.

Tools: Vercel, Docker, DigitalOcean, AWS amplify

Agile: Scrum

Languages: Intermediate: English; Native: Spanish.

EDUCATION

University of the Armed Forces ESPE – Latacunga, Ecuador. *Mechatronic Engineering, February 2024*

COURSES

- Master in TypeScript – Udemy
- React & TypeScript Complete Guide – Udemy
- MERN Stack Front to Back – Udemy
- Git & GitHub from Scratch – Udemy