

Carlos de la Peña

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PROFILE

Web developer focused on both Front-End and Back-End technologies, with experience in programming ORMs, databases, and responsive DOM manipulation using JavaScript. Proactive collaborator, with the ability to quickly adapt to modern programming frameworks, technologies, and development methodologies.

EDUCATION

Systems Engineering	February	2019	–	December	2024
Universidad del Magdalena					

SKILLS

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| <ul style="list-style-type: none">• React• Tailwind• Material UI• NodeJS• Express• NestJS• Spring Boot• ASP.NET/.NET Core• SocketIO | <ul style="list-style-type: none">• JWT• PostgreSQL• MySQL• SQL server• MongoDB• Stored procedures• SOAP services• API REST/GraphQL• Azure | <ul style="list-style-type: none">• Cloudinary• Github• Github actions• Docker• Vercel• AWS• Kubernetes• Jira/Scrum |
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EXPERIENCE

Web Developer	December	2023	-	February	2024
Brisas Marinas Hotel					

- Upgraded reservation system using:
 - React (Frontend) + Node.js/Express (Backend)
 - Optimized MySQL queries for faster performance
 - Result: 20% increase in online booking conversion

Junior Developer	March	2024	-	September	2024
SMITCO S.A.S.					

- Contributed to the maintenance and enhancement of the company website’s frontend views.
- Developed a container damage management module for auditing the physical condition of shipping containers.
- Implemented a user registration and login system for the client portal.
- Collaborated on an enterprise management module to streamline vendor invitations, improving administrative efficiency by 35%.

Full-Stack Developer

<i>Rocaire</i> construction company	November	2023	-	March	2024
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- Built project management system with:
 - **React + Material UI** (Interactive Kanban board)
 - **Spring Boot + PostgreSQL** (Stored procedures for reports)
 - Role-based **JWT authentication**
- **Result:** 40% reduction in task tracking time

PROGRAMMING

Frontend

- Built dynamic user interfaces with React and TypeScript, integrating REST APIs using DOM manipulation, hooks, and Axios for asynchronous requests.
- Enabled real-time communication via SocketIO and designed professional, responsive components with Material-UI and Tailwind CSS.

Backend

- Developed REST APIs using Node.js/NestJS, Spring Boot, and ASP.NET Core, integrating both SQL (PostgreSQL, SQL Server) and NoSQL (MongoDB) databases.
- Configured CORS policies for seamless frontend-backend connectivity across production and development environments.
- Implemented JWT-based authentication, real-time features with SocketIO, and cloud media storage via Cloudinary.