

# Sebastian Camilo Mahecha Pardo

Front-end Web Developer

Software Development Technologist

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Front-end Developer with 2+ years of experience in modern web architectures and mobile development. Strong knowledge in React and Flutter, specializing in Offline-first applications and performance optimization. Focused on creating scalable solutions through clean and reusable code.

## EXPERIENCE

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### • Front-end Web Developer

July 2023 - Present

*Sense Digital SAS*

Remote

- Led architecture and development of a corporate Offline-first application, implementing advanced design patterns and SOLID principles for maintainable and scalable code
- Redesigned and optimized critical offline functionality algorithms, achieving 40% improvement in execution speed and rendering performance
- Designed and implemented global state architecture for enterprise mobile applications using React Native and Flutter, currently serving over 150 active users
- Implemented robust integrations with external services (Firebase, OneSignal) and real-time systems through WebSockets, managing offline/online data synchronization
- Established clean code standards and development best practices
- Developed a reusable component library for corporate applications, implementing modular architecture

### • Mobile Software Developer

February - April 2023

*EKOOMEDIA INC.*

Remote

- Developed optimized and robust code for mobile applications specialized in Augmented Reality
- Built an augmented reality mobile application using advanced tools such as C Sharp and Unity
- Collaborated closely with cross-functional teams, from engineers to designers, to ensure project success

### • Junior Front End Developer

July - December 2022

*Sennova - Research Group*

Remote

- Developed web application code, focusing on reusability and optimization for enhanced user experience
- Led the integration of new APIs into the system, enhancing application capabilities, functionality and efficiency
- Responsible for connecting IoT devices to the application using APIs and sockets, enhancing real-time interactivity and connectivity
- Managed communication and coordination among cross-functional teams, aligning technical requirements with business objectives to ensure successful deliveries

## PERSONAL PROJECTS

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### • Visual Social Network

*Full-stack web platform for sharing visual content, implemented with clean architecture and SOLID principles*

- Designed reusable components and custom UI library following Atomic Design principles
- Developed global state management system using React Context and TypeScript, reducing component data handling complexity
- Optimized performance through Code Splitting, Lazy Loading and component memoization techniques, improving Lighthouse score by 30%
- Designed and implemented JWT authentication system with refresh tokens, including security strategies against CSRF attacks

## EDUCATION

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### • Mobile Apps Development Certificate

*Universidad Nacional*

2024

### • Video Game Development Technology with C#

*SENA*

2022

### • Software Development Technical Degree with C# and .NET

*SENA*

2018

## SKILLS AND INTERESTS

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**Languages:** Javascript, Dart/Flutter, C#

**Libraries :** ReactJS, React Native, Tailwind

**Tools:** Nodejs, VScode, Git, Github, Android Studio

**Frameworks:** ReactJs, NextJS, FlutterFlow

**Databases & Cloud:** Postgres, FireBase, Supabase, MongoDB, Firebase.

**Relevant Courses:** Data Structures and Algorithms, Object-Oriented Programming, Software Engineering

**Areas of Interest:** Web Development and Design