

# Diego Arbeláez Montoya

Full-Stack Software Developer

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As a seasoned **Full-Stack** Software Developer with over **5 years of experience in remote work**, my technical stack includes **JavaScript with React, Angular, HTML5, CSS3, SaSS**, along with frameworks like **Bootstrap** and **Tailwind**. I bring to the table 4 years of **BackEnd** development experience utilizing **PHP and Node.js**, with a focus on **Express** and **API integrations**. I am proficient in mobile development with **IONIC**. My technical acumen also spans **SQL, MySQL**, and **MongoDB**, and I possess extensive experience in the development and integration of RESTful API services.

I pride myself on being **highly responsive and professional**, recognized for my profound sense of belonging, drive for achievement, and robust teamwork capabilities.

## EXPERIENCE

### HEAD OF TECH – FLIPO EYEWEAR – BARCELONA SPAIN — January 2024 - Current

As Head of Tech at Flipo Eyewear, I led a diverse team of seven developers across multiple time zones. Serving as both Senior Developer and Project Manager, I ensured our software development initiatives were aligned with the company's strategic goals to expand into new markets. My key responsibilities included:

- Gathering and transforming internal requirements into clear, actionable user stories.
- Leading and fostering a culture of continuous learning within the team.
- Strategically planning and allocating resources to align development projects with company objectives.
- Enhancing FrontEnd application performance and user experience through React optimizations.
- Refactoring backend code in NestJS/NodeJS to improve query speeds and API REST services.
- Efficiently allocating team members to optimize project timelines.
- Implementing Agile SCRUM methodologies to manage project workflows effectively.

Tech-stack: **React, NodeJS, NestJS, MySQL, AWS, Agile SCRUM**

### FULLSTACK DEVELOPER – SEVILLA TOWNHALL, Full stack Software Developer — January 2023 - December 2023

I developed a Single Page Application for income tax filings and online payments using the PSE Gateway:

- I built this application from scratch, establishing a robust architecture.
- Designed to be user-friendly with clear calculations and a shopping cart experience.
- Comprehensive consumption of Full API Rest services with JWT authentication.
- Backend API REST design tailored for the App.
- Database creation and management using MySQL.
- 1,050 active users successfully filed their taxes using the App.

Tech-stack: **React, PHP, MySQL, Material UI, Agile SCRUM**

### MOBILE DEVELOPER (IONIC) - CSI SECURITY APP, Full stack Software Developer — June 2022 - January 2023

I developed two applications from scratch, designing the UI in Adobe XD and coding it in IONIC 6 with Angular 12. This app is like the Uber but for Private Security and currently is being offered by several security companies in LATAM.

- I developed this application from scratch, by using the latest UX/UI concepts.
- Full API Rest service consumption with JWT
- Backend API REST design for the App.
- Database creation with MySQL

Tech-stack: **Javascript, Angular, IONIC, PHP, MySQL high performance queries,, SASS, Agile SCRUM**

## **MINISTERIO DE SALUD Y PROTECCIÓN SOCIAL COLOMBIA, Full stack Software Developer** — January 2021, June 2022

- I developed applications from scratch to manage up to 10 million of registries of COVID vaccination doses.
- Optimized queries to reduce processing time in 28% by using data normalization in MySQL.
- Developed FrontEnd and Backend Services for the Mobile App Minsalud Digital, reaching 10 million of installations.
- Refactoring Web Apps developed in Angular and PHP, increasing up to 50% the speed using queries optimizations.

Tech-stack: **Javascript, Angular, IONIC, PHP, MySQL high performance queries, HTML5, Bootstrap v.5, SASS, Agile SCRUM**

## **USAID – Worldwide Cooperation Program, Full stack Software Developer** — January 2020, December 2020

- I developed FrontEnd and BackEnd services to present vaccination scheduling to the users, solving an access information problem.
- I completed the migration of 28 million of registries for the Digital Document COVID-19 Certificate using API REST Web Services.
- I connected legacy applications with new developments by using Web Services, using PHP and JWT
- Development of Web Services for the vaccinations points data injection, more than 300K transactions done per day.
- Team training for the use of Web Services, supporting more than 200 developers in the implementation.

Tech-stack: **HTML5, Bootstrap v.5, SASS, Javascript, Angular, PHP, MySQL**

## **FOX Analytics SAS, sr. Software Developer** — January 2019, February 2020

- +20 Websites developed using Javascript, Angular, IONIC and PHP. Acquiring experience and development speed.
- Development of common scripts to accelerate the development process up to 30%.
- Data Modeling and Database Implementation using MER and data normalization
- +1450 hours developing API REST WS, PHP backend, Javascript and MySQL, which gave me experience working under pressure.
- Agile Framework following, playing the SCRUM Master Role and at the same time developing, increasing efficiency of development up to 50%

Tech-stack: **Javascript, Angular, PHP, MySQL, HTML5, Agile SCRUM**

## **RECENT PROJECTS**

### **Published CSI App - Mobile Stores** <https://csisecurity.co/> - 2023

The app was developed from scratch with a strong focus on excellent UX/UI design, prioritizing ease of use. Built with IONIC 6 and Angular 18, it utilizes Capacitor plugins for GPS, address book access, Google Geocoder and locations, camera, photo gallery, and push notifications. It has been recognized as an innovative security tool for small towns and hazardous regions in Colombia.

Tech-stack: **IONIC, Angular, API REST, JWT, Capacitor, MySQL, PHP**

### **MegaInforme** – <https://www.megainforme.com> - 2019

- High Performance Software where +2500 employees upload all the logs, files, activities and work done of their contracts. Reports can be downloaded as PDF by the stakeholders, high quality metrics handling thousands of datapoints of the contracts. This Web Application solved problems to arrange huge amounts of information in a dashboard.

Tech-stack: **Javascript, Angular, MySQL, PHP**

### **Yo Soy Fan** – <https://yosoy.fan> - 2021

- Platform for connecting fans and artists through an incredible experience of premium content delivery. High performance database administration, heavy file storage services used in AWS environment, fully responsive design for a good user experience. This website reached more than 100.000 USD of incomes during 2021.

Tech-stack: **IONIC, Javascript, MySQL, PHP**

## **My WEBSITES AND PORTFOLIO**

- **www.diegoarbelaez.com** (my personal website)
- <https://wonderingroup.com/>
- <https://ideassevilla.com.co>
- <https://alcaldiaparatodos.com>
- <https://megainforme.com>
- <https://anap.co>
- <https://gilmerrangel.com/>
- <https://3dm.com.co>
- <https://aincaseguridad.com.co/>
- <https://controlp.co/>
- <https://www.youtube.com/watch?v=KpgnBE2cwD8>  
(App developed in Pandemic, +17M downloads)

## SKILLS

**Programming Languages:** Javascript, PHP

**Frameworks Tools:** React, Angular, IONIC, Xpress,

**Data Base:** MySQL, PostgreSQL, MongoDB

**Tools:** Visual Studio Code, XAMPP, Linux CLI, JIRA, Trello, Monday, ClickUP

**Infrastructure:** AWS

**Agile:** Scrum Master, Project Manager, Product Owner.

**Languages:** Fluent: English; Native: Spanish.

## EDUCATION

**ICESI UNIVERSITY** - *ICESI –Telematics Engineering – February 2005*

**Mobile World Congress 2008 to 2022** - *Barcelona Spain, every year, the main Telecommunications Congress in the industry.*

**Agile SCRUM**- *BSG Institute - 2019*