

# Alejandro Agredo

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<https://www.alejandroagredo.com>

I am a passionate web developer who is dedicated to creating innovative and effective solutions. I am committed to staying up-to-date with the latest trends and technologies in my field, and I approach every project with a positive attitude and a desire to learn. I am confident that I can make a valuable contribution to any team.

## Skills and Tech Stack

**Programming Languages:** Typescript / JavaScript, HTML 5, Css 3 / Sass

**Frameworks and Libraries:** React Js, Next Js, Node Js, Express Js, Socket.IO, Tailwind Css, Vite, PWA

**Tools and Services:** Stripe, MailerLite, Git / GitHub, Postman, Firebase

## Experience

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### Independent Freelancer

2020 - Present

- Jiyaki (<https://jiyaki.web.app>): Developed a motivational support website using React Js and Sass, designed to help users track progress on personalized daily goals, such as daily steps or hours of sleep. Incorporated multimedia content related to emotional well-being and mental health, and enabled users to participate in group support chats. Utilized Firebase for database management and user authentication.
- Age of Emotions (<https://www.ageofemotions.com>): Developed an e-commerce website using Next.js and Tailwind CSS, featuring a gallery of guidebooks available for purchase as PDFs. Implemented a secure payment system using Stripe to process transactions, and integrated MailerLite to automatically deliver purchased guidebooks to customers' email addresses. Additionally, designed a membership system that offers discounts to registered users who sign up and pay for a subscription.
- Apollo chat (<https://apollochat.vercel.app>): Created a real-time chat Progressive Web App (PWA) using Next.js and Tailwind CSS, featuring push notifications to keep users informed of new messages. Designed a user-friendly interface for sending and receiving messages and implemented Firestore for efficient database management.

- Custom TypeScript Libraries (npm): Developed 4 TypeScript libraries to drive the logic behind interactive HTML canvas animations and browser games. The libraries include "@apjs/vector" for basic 2D and 3D vector operations, "@apjs/dynamic" for creating 2D animations in HTML canvas environments, "@apjs/tensor" for multidimensional tensor operations, and "@apjs/ml" for implementing basic machine learning algorithms.

### **Personal Portfolio Web Pages (Next.js and Tailwind CSS)**

- Alejandro Agredo's Portfolio (<https://www.alejandroagredo.com>): Developed a responsive personal portfolio website highlighting my skills, and projects through project mockups and their respective GitHub links. The website also features interactive HTML5 canvas animations created using custom TypeScript libraries and a user-friendly contact form for potential clients to get in touch. Additionally, the website includes links to my social media profiles, such as LinkedIn, to provide more ways to connect.
- Dahyana Muneton's Portfolio (<https://www.dayamuneton.com>): Developed an artist portfolio website showcasing Dahyana Muneton's artwork and creative talents. The website features social media links to connect with the artist, a gallery section, and a shop where visitors can purchase available pieces from her collection or request custom art commissions.

## **Education**

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**IT and Systems Technician, CESCO**  
Magna cum laude

06/2019

**Cyber Security Seminar, CESCO**