

JULIAN DIAZ

SOFTWARE DEVELOPER

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Software Developer focused on modern web applications. Experienced in structuring scalable frontend architectures, from modular monoliths to micro-frontend setups, and in applying SSG and SSR to balance performance, personalization and dynamic content. Experienced in integrating self-hosted AI services such as OpenAI Whisper and Ollama, and supporting reliable delivery through CI/CD pipelines and cloud-based deployments. Strong emphasis on user-centric design, real-time features, and clean, maintainable code.

WORK EXPERIENCE

Konnektaro	Berlin, Germany
<i>Software Developer</i>	2025.05 – 2025.12
<ul style="list-style-type: none">Built a mobile-first progressive web app for real-time learning sessions using Next.js and TypeScript. It uses static site generation SSG for fast loads and server-side rendering SSR for personalized, dynamic, and interactive content.Implemented Firebase Authentication (Google and anonymous login) with secure token handling across frontend and backend.Introduced a microfrontend-style architecture to separate core app areas (sessions, auth, analytics) for independent deployment and maintenance.Built RESTful APIs with Node.js and Express, managing complex user interactions, event-based sessions, and partner pairing logic.Designed and integrated modular UI using Tailwind CSS optimized for mobile experience and reusability.Structured and maintained a MongoDB database ensuring scalable and efficient data access.Integrated a self-hosted speech-to-text service using OpenAI Whisper, exposing it through a custom AI API for real-time and cost-free transcription within learning sessions.Set up CI/CD pipelines (GitHub Actions + Docker) for automated testing, build, and deployment to cloud environments.	
EduEnvire	Copenhagen, Denmark (Remote)
<i>Founding Engineer Technical Advisor</i>	2024.03 – 2024.12
<ul style="list-style-type: none">Led the design of a check-in system allowing students to register attendance while giving teachers real-time insights into device usage.Collaborated with backend engineers to define app architecture and data mapping strategies.Developed frontend for both web and mobile apps using React TS and React Native (Expo).Implemented CI/CD pipelines for the frontend, ensuring smooth alpha testing phases.Mentored founders on technical aspects of starting their business.	
Iomoto	Berlin, Germany
<i>Frontend Engineer</i>	2020.05 – 2023.12
<ul style="list-style-type: none">Project: B2C Automotive Sales App (Flutter, Dart)<ul style="list-style-type: none">Built EV simulation tools to compare costs, charging, and mileage with fossil-fueled vehicles.Created the Garage feature synced with commuter habits and developed login flow with focus on accessibility/security.Conducted unit testing for Flutter and contributed to main app maintenance.	

WORK EXPERIENCE

- **Project: B2B Truck Fueling & Fleet Management Tool (React, Azure)**
 - Developed platform using **React (JavaScript)**, **HTML**, **CSS** with authentication via **Azure AD B2C**.
 - Ensured fleet management for 5000+ vehicles and delivered white-label solution with **CI/CD** pipelines.
 - Implemented automated tests (**Jest**, **Cypress**) and maintained codebase in **GitLab** under Agile practices.

The Key Technology Germany
Frontend Engineer, Intern 2019.11 – 2020.01

Virtual Media Network Colombia
Multimedia Designer 2017.08 – 2017.12

Avantel Colombia
Multimedia Designer, Intern 2016.08 – 2017.01

Leeds Beckett University Leeds, UK
M.Sc. in Creative Technologies 2017 – 2019

- **Thesis:** AR-AI Navigation in Indoor Spaces. Developed a navigation system with **C#**, **JavaScript**, and the **Unity** engine.

Universidad Militar Bogota, Colombia
B.Eng. in Multimedia Engineering 2012 – 2017

SKILLS
Languages & Frameworks: React, Flutter, JavaScript, TypeScript, Dart, HTML, CSS, C#, ActionScript

Tools & Platforms: MongoDB, Node.js, Express, Firebase, Azure DevOps, Git, CI/CD, Figma, Notion, Jira

Design & Multimedia: Illustrator, Photoshop, Adobe After Effects, Adobe Animate, Unity

ABILITIES
Stakeholder Management, Clean Code Practices, Attention to Detail
Creative Thinking, Fast Learning, Project Management
Problem Solving, Mentoring and Teaching

LANGUAGES
Spanish (Native), English (C2), German (B1)