

Manuel Alejandro Tavera Castillo

Frontend Engineer

I am a Frontend Developer with over five years of experience in delivering scalable, maintainable, and optimized web applications. My technical skills include React, Next.js, JavaScript/TypeScript, TailwindCSS, and GSAP. I have worked on high-impact projects for clients such as Nintendo, ESPN, and Toyota. I adopt a detail-oriented, engineering-driven approach that emphasizes performance and reliability.

Contact

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North Carolina, USA

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Skills

Frontend

React, Next.js, JavaScript, TypeScript, TailwindCSS, Material UI

Animation

GreenSock (GSAP), CSS animation

Data & forms

TanStack Query, Formik, React Hook Form, REST API integration

Backend

Node.js, PHP

Practices

Reusable component systems, cross-browser testing, automated testing, documentation

Languages

Spanish (native), English (fluent)

Experience

Nov 2022 – Present · New York, NY (Remote)

Senior Ad Developer — Padsquad

- Refined interactive ad UI/UX and animation performance through continuous iteration, making ad experiences feel smoother and more engaging for users.
- Built custom ad experiences for major clients like Nintendo, ESPN, and Toyota, and introduced reusable templates and component patterns that made the creative team's workflow faster and more consistent.
- Elevated ad performance by integrating GreenSock animations, giving interactions a more polished, responsive feel that improved the overall user experience.
- Improved the creative development workflow by spotting recurring technical issues early and building preventative fixes, cutting down on QA back-and-forth and helping the team ship more smoothly.

Dec 2020 – Nov 2022 · Santo Domingo, DR

Software Engineer — Remax RD

- Contributed to the migration of the backend from PHP 5 to PHP 7, refactoring application endpoints and introducing automated testing to make the system more dependable.
- Helped redesign and build a new MLS system using Next.js, Material UI, Formik, and React-Query, creating a cleaner, more intuitive interface that made life easier for the agents using it.
- Optimized site performance through code cleanup, better asset handling, and structured component refactoring, resulting in faster load times and a stronger SEO foundation.
- Kept internal management systems running smoothly through ongoing maintenance and proactive issue resolution, making things more reliable for the people who depended on them daily.
- Strengthened UI quality across the platform through careful cross-browser testing, thorough documentation, and reusable components, cutting down on bugs and making the codebase easier to maintain.

Education

May 2019 – Oct 2023 · Santo Domingo, DR

B.S. Software Engineering — Universidad APEC

GPA 3.6 / 4.0