

Jeremias Ventura Vasquez

Frontend / UI Developer

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EDUCATION

University of Nebraska–Lincoln

B.S. Computer Science, Minor in Mathematics

Raikes School of Computer Science & Management — Design Studio Associate

Expected May 2027

Lincoln, NE

EXPERIENCE

Sandhills Global

Software Development Intern

Apr 2026 – Present

Lincoln, NE

- Built and maintained scrapers across **15+ competitor marketplaces** using VB.NET and AngleSharp, capturing dealer and listing data into a database on a monthly refresh and exporting it to the sales team as **prospect lists for new dealer acquisition**.
- Handled **JS-rendered pages, anti-bot blocking, and non-standard site layouts** by routing requests through ZenRows and writing per-site parsing logic, keeping coverage stable across sites that change structure without notice.
- Contributed full-stack work on the DTA team using Git and code review, completing **React and .NET training** covering MVC, Web API patterns, and SQL.

Freelance Designer & Developer

Self-Employed

Sep 2025 – Feb 2026

Remote

- Designed and shipped **two client sites end-to-end**, a music educator's studio site and an architecture portfolio, moving from Figma mockups to production in Next.js, TypeScript, and Tailwind, with Sanity CMS so clients update their own content.
- Integrated the Calendly API directly into the music site so visitors book lessons from the page, generating **10+ new lesson inquiries** since launch, and built GSAP and Framer Motion transitions for the architecture site's project slideshows.
- Led discovery calls to define scope, iterated on design feedback across multiple rounds, and delivered each site on **client-owned Vercel infrastructure** with handoff documentation so clients own the stack post-launch.

PROJECTS

OnTheComeUp

Next.js, TypeScript, Supabase, Tailwind CSS

Jan 2026 – Present

otcomeup.com

- Shipped a full-stack discovery platform connecting underrepresented students to **100+ verified scholarships, events, and resources**, rendered through Next.js Server Components with no client-side fetching.
- Made multi-group filtering fast with **GIN-indexed tag arrays** in Supabase, and stored all filter and search state in URL params so every filtered view is shareable and bookmarkable.
- Hardened the community submission pipeline with Zod discriminated-union validation and cookie-based rate limiting, deployed on Vercel with **60-second ISR** so listings stay fresh without rebuilds.

Exemplar

React, TypeScript, Node.js/Express, OpenAI API, Tailwind CSS

Sep 2025 – Nov 2025

- Designed and built an AI learning platform that replaces the chatbot wall-of-text with **typed card components** for worked examples, practice problems, hints, and solutions, using gated navigation and checkpoint quizzes to keep users engaged.
- Streamed OpenAI responses over Server-Sent Events, parsing each into **30+ structured sections** and rendering the first batch immediately so content appears while the rest loads.
- Rebuilt the interaction model in Figma around **adaptive difficulty**, adjusting harder, same, or easier per round, with KaTeX and syntax highlighting so math and code render cleanly.

SKILLS

Design: Figma, wireframing, prototyping, design systems and component libraries, responsive and mobile-first layout, typography, accessibility (WCAG AA)

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML/CSS, Framer Motion, GSAP

Backend & Data: Node.js, Express, ASP.NET Core, C#, VB.NET, Supabase/PostgreSQL, SQL, REST APIs, Server-Sent Events

Tools & Practice: Git/GitHub, Vercel, Sanity CMS, Postman, OpenAI API, Agile/Scrum, code review