

LANGUAGES & TECHNOLOGIES

HTML5 CSS3 React TypeScript JavaScript Next.js Vitest Sass Prisma GraphQL GSAP

PROJECTS

sqnces.com / Creator, Full Stack Developer

August 2024 - Present

An original word-guessing game and full stack web app built with Next.js, React, TypeScript, tRPC, and Prisma ORM.

- Scaled an original daily word-guessing game to a consistent and growing player base of over 200 daily active users and an average of 12,000 site views per month.
- Engineered the responsive UI in React, focusing primarily on scaling down to mobile screens, achieving cross-browser compatibility, and implementing user-friendly and accessible features.
- Built multiple API endpoints for server side validation and database querying with Zod, tRPC, and Prisma.
- Reduced hundreds of daily database calls down to exactly one by implementing a server side cache system.

ENGINEERING EXPERIENCE

The Boston Globe / Frontend Developer

May 2025 - Present

I am creating and implement various changes to a Next.js (React) based word game app.

- Implemented an overhaul of the app's responsiveness by cleaning up non-functional code and implementing new Tailwind styles to create a robust scaling strategy for the game's most used screen sizes.
- Currently leading the revision of a core drag-and-drop feature by identifying current UX pain points, revamping state logic and game UI, and implementing GSAP to add animations that tie state transitions together.
- Independently identify, propose, and implement critical improvements and new features, collaborating with project owners, designers, and developers to drive the ongoing development of the app.

Notesmithbooks.com / Founder, Full Stack Developer

January 2023 - August 2024

A DTC company and full stack web app built with Gatsby, React, JavaScript, Styled Components, server-less functions, Firebase, and Stripe.

- Produced an entire brand, from development to product design, marketing, photography, fulfillment, etc.
- Developed a library of 25 modular, responsive, and reusable custom React components.
- Integrated a fully custom checkout workflow using Stripe Checkout API, incorporating real-time discounts, coupons, and tax calculation. Also integrated a custom EasyPost solution for seamless shipment processing.
- Enhanced web performance by eliminating and refactoring inefficient code, resulting in 50% improvements in page speed stats. In some cases, reduced file byte size by more than 80%.

Unicorn Graphics / Web Developer

January 2020 - Present

I built static websites and other web-based applications using Next.js, Gatsby, React, and Styled Components.

- Designed and built custom static websites with headless CMS integrations (DatoCMS, Contentful, Sanity).
- Collaborated with the sales and production teams to modernize and improve their workflow by developing a custom React app in Monday.com's environment by utilizing their JavaScript SDK and React UI library.

Office Hours / Frontend Developer, Web Designer

September 2019 - November 2019

I worked as a contractor for an early-stage start-up, helping them create and build out their MVP.

- Created original UI mock-ups and multi-state components in Figma for multiple different views.
- Developed and translated designs into CSS and React while collaborating with a team of 3 developers.

Domahub.com / Co-founder, Frontend Developer

July 2016 - April 2019

I co-founded an online business and platform for managing domain name portfolios. Domahub was acquired in 2019.

- Co-founded a domain management platform with 500 users and over 10,000 registered domains.
- Architected a utility based design system using Sass to create modular and re-usable styles.

EDUCATION

University of Notre Dame / B.A. Economics, B.A. Sociology / 2015, **Stuyvesant High School** / 2011