

LANGUAGES & TECHNOLOGIES



PROJECTS

sqnces.com / Creator, Full Stack Developer August 2024 - Present

An original word-guessing game and full stack web app built with Next.js (t3 stack), React, TypeScript, tRPC, and Prisma (PostgreSQL).

- Scaled the game to a consistent and growing player base of over 200 daily active users with 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, TypeScript, and Prisma.
- Reduced hundreds of daily database calls down to exactly one by implementing a server side cache system.

ENGINEERING EXPERIENCE

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 custom styled, modular, responsive, and reusable React UI components.
- Wrote a JavaScript utility for SVG manipulation by utilizing Web APIs, including 10 functions for locating and parsing SVG nodes based on pointer positions for a SVG editor tool.
- 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, using their JavaScript SDK and React UI library.
- Built product catalogs by utilizing Gatsby's Node API to programmatically generate 100+ categorized pages.

Unicorn Graphics / Project Manager October 2022 - January 2023

I managed projects end-to-end for a commercial printing company.

- Managed and coordinated 100's of print projects per month in a client-facing role, communicating with clients and bridging front-of-house operations with the warehouse to ensure timely and accurate project completion.

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 component based design system using Sass to create reusable and maintainable styles.
- Implemented a utility based style system for quickly applying various degrees of often-used CSS properties.

EDUCATION

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