Alex Saltstein

asaltste@gmail.com | Jersey City, NJ | (609) 610-9447 | www.alexsaltstein.com | US Citizen

WORK EXPERIENCE

Art Blocks, Remote   January 2022 - Present
Core Software Engineer
- Spearheaded project with 5 engineers to rebuild the production website resulting in user engagement increase of 35%.
- Decreased API requests by 98% by switching to websockets from polling, optimizing a critical data pipeline.
- Increased design collaboration efficiency by creating a reusable design system in **Figma** and **Tailwind** with product designers saving hours of unnecessary design review time weekly between engineering and product teams.
- Increased SEO site health from 60% to 85%+ according to **Semrush**, improving visibility and search ranking.
- Developed and maintained five **Next.js** web applications with **Tailwind** styling and a **Hasura GraphQL** backend all together supporting $60+ million in revenue.
- Collaborated with artists to launch sites featuring live auctions and physical product sales using Shopify and the blockchain driving $648,000+ in total sales.
- Designed and implemented end to end CMS using **Strapi**, enabling business users to post articles, exhibitions, and other content directly to the **Next.js** web app without interaction from engineering.
- Defined standards for all consuming applications by creating an analytics tracking and a design configuration shared package within a **Turborepo** (monorepo).

Forkist, Hoboken, NJ   December 2019 - December 2021
Software Engineer
- Reduced image loading times from over 30 seconds to under 1 second by implementing image compression across the app.
- Optimized cloud storage by creating database management scripts in **Node.js** utilizing the Google Storage API, reducing storage size by more than 40x without downtime.
- Developed reusable components in **React** and **React Native**, focusing on scalability and maintainability to support future feature growth.
- Collaborated with 5 engineers to create a company website with **Node.js**, **Next.js**, **React**, **Redux**, hosted on **GCP**.

PROJECT EXPERIENCE

PartyPic, Personal   September 2023
- Created **React Native Expo** mobile application with phone login, self hosted **Hasura GraphQL** backend, and multiple **AWS Lambda** API routes all within a monorepo.
- Implemented deep linking capabilities for 6 digit party code system, reducing user onboarding time to under 30 seconds.
- Collaborated with a partner to create a monorepo with automated **CI/CD** pipeline for linting, building, and deploying.

Hudson Happs, Personal   July 2022
- Rewrote **Javascript React** web app to **Typescript Next.js** with **Tailwind** and **MongoDB** backend, improving SEO and load time.
- Eliminated costs for location tracking by using a geocoding API to store approximate coordinates by address lookup.
- Implemented **Typescript OCR** system to read text from images to prepopulate input forms.
- Utilized on demand route revalidation to instantly refresh data as it was updated, while maintaining **SSG**.

Movier, Personal   March 2021
- Created **React Native** mobile application with Airbnb linting standards and component based design best practices.
- Built a scalable backend API using **Node.js** with JWT authentication hosted on **Google Cloud App Engine**.
- Automated data population by building a Python web scraper to create a **MongoDB** database of categorized TV & movies.

EDUCATION

Stevens Institute of Technology | Hoboken, NJ
Master of Science in Software Engineering | **GPA: 3.97**   December 2021
Bachelor of Science in Computer Science with High Honors | **GPA: 3.84**   May 2021
Awards: Edwin A. Stevens Scholarship, Dean's List, Computer Science Honor Society
Relevant Coursework: Data Structures, Algorithms, Web Programming I & II, Database Management Systems, Concurrent Programming, Principles of Programming Languages, Software Cost Estimation & Metrics, Deep Learning, Intermediate Statistics
Activities: Phi Sigma Kappa Fraternity - Treasurer, Upsilon Pi Epsilon, JP Morgan Chase Code for Good Hackathon, Skiing

SKILLS

Programming Languages: Javascript, Python, Java, Typescript, GraphQL, PostgreSQL, CSS, Swift, Bash, C, C++, Erlang, Ocaml, Scheme, SQL, HTML
Frameworks/Libraries: React, Next.js, React Native, Node.js, Tailwind, Expo, Preact
Tools/Technologies: AWS, Hasura, Figma, Git, MongoDB, Google Cloud, Redis, Semrush, Strapi, Turborepo, Mixpanel