

Alex Saltstein

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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

Activities: Phi Sigma Kappa Fraternity - Treasurer, Upsilon Pi Epsilon, JP Morgan Chase Code for Good Hackathon, Skiing

SKILLS

Languages and Web Technologies: JavaScript, Typescript, Nodejs, Next.js, React, React Native, Hasura, GraphQL, Postgres, Tailwind, CSS, Figma, AWS, Git, Expo, Python, Java, Swift, Bash, C++, C, Erlang, Ocaml, Scheme, MongoDB, Google Cloud, Preact, Semrush, Strapi, Turborepo, Mixpanel, SQL, HTML

WORK EXPERIENCE

Art Blocks | Hoboken, NJ

Core Software Engineer

January 2022 - Present

- Built and maintained 5 unique **Next.js** web applications utilizing **Tailwind** styling with **Hasura GraphQL** backend
- Collaborated with artists to launch sites featuring live auctions and physical product sales using shopify and the blockchain
- Increased design collaboration efficiency 30% by creating a reusable design system in **Figma** and **Tailwind** with product designers
- Decreased API requests by 98% for a data pipeline by switching the system to utilize websockets rather than polling
- Designed and implemented end to end CMS using **Strapi** so business users could post content directly to **Next.js** web app
- Increased SEO site health from < 60% to > 85% according to **Semrush** standards
- Defined standards for multiple consuming applications by creating an analytics tracking and a design configuration shared package within a **Turborepo** (monorepo)
- Lead team of engineers to rebuild production website while maintaining legacy website with 0 downtime in same repo

Forkist | Hoboken, NJ

Software Engineer

December 2019 - December 2021

- Demonstrated the ability to onboard onto a project with minimal experience by building upon existing infrastructure to pivot from a food journal to a food social network in under 3 months
- Implemented image compression for images across the app to speed up loading time from > 30 seconds to < 1 second
- Created reusable components in both **React** and **React Native** with emphasis on scalability, flexibility, and general code health overtime
- Collaborated with team of engineers to create a company website with **Node.js**, **Next.js**, **React**, **Redux**, hosted on **GCP**
- Developed database management scripts in **Node.js** utilizing Google Storage API to alter cloud storage buckets without any downtime ultimately decreasing storage size by more than 40x

PROJECT EXPERIENCE

PartyPic | Hoboken, NJ

Mobile App Development

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 to make onboarding new users less than 30 seconds
- Collaborated with partner to create a monorepo with automated **CI/CD** pipeline for linting, building, and deploying

Hudson Happs | Hoboken, NJ

Mobile App Development

July 2022

- Rewrote **Javascript React** web app to **Typescript Next.js** with **Tailwind** and **MongoDB** backend, for SEO and load time
- Eliminated costs related to 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 | Hoboken, NJ

Mobile App Development

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**
- Employed web scraping through a **Python** script to populate a **MongoDB** database of categorized TV and movies