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, Software Cost Estimation & Metrics, Agile Methods for Software Development, Deep Learning

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

Volunteering: Fisherman's Mark Food Pantry and Social Services

SKILLS

Languages and Web Technologies: JavaScript, Typescript, Next.js, React, React Native, Hasura, Graphql, Postgres, Tailwind, CSS, Figma, AWS, Git, Expo, Python, Java, Swift, Bash, Mongodb, Google Cloud, Preact, SEMRUSH, Strapi, Turborepo, Mixpanel

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
- Increased efficiency by 30% by creating a reusable design system in **Figma** and **Tailwind** through cross functional collaboration 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** for business users to post content directly to Next.js web app
- Increased SEO site health from > 60% to < 85% according to **SEMRUSH** standards
- Utilized **Turborepo** to create **Mixpanel** analytics and design configuration shared packages within a monorepo

Forkist | Hoboken, NJ

Software Engineer — December 2019 - December 2021

- Demonstrated the ability to onboard onto a project with minimal experience and then build upon existing infrastructure to pivot from a food journal to a food social network
- Implemented image compression for all images throughout 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
- Contributed to the development of Forkist.com using Node.js, **Next.js**, React, Redux, with hosting on Google Cloud
- Developed database management scripts in **Node.js** utilizing Google Storage Api to alter cloud storage buckets without any downtime and decreasing storage size by more than 40x

PROJECT EXPERIENCE

Party pic | Hoboken, NJ

Mobile App Development — September 2023

- Created **React Native Expo** mobile application with phone login, self hosted **Hasura** 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 with build, linting, utilizing yarn 4

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
- Decreased costs by 700% by utilizing geocoding api to store approximate coordinates from address lookup
- Implemented Javascript 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

U.S. citizen