

# Alex Supkay

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## EXPERIENCE

### Art Blocks, Remote

Jan 2022 - Present

#### Senior Engineering Manager + Tech Lead

- Identified AWS optimizations in GPU clusters that saved the business \$240k+ annually.
- Led engineering for a product area that generated \$60M+ in revenue, ensuring stability and scalability while collaborating with product and leadership to define strategy and direction within constraints.
- Improved developer velocity by reducing monorepo build times by >75%, streamlining code quality checks, and optimizing the merging process for faster and more efficient development cycles.
- Saved the art team hours weekly by developing an artist application page with Next.js, AWS Lambda, and SendGrid that automatically created Asana tickets, sent an Ethereum transaction to make an artist project shell, and then emailed the artist.
- Established a structured OKR framework, onboarded product managers, and led a cross-functional team through Agile methodologies, ultimately resulting in improved alignment, quicker delivery, and organization-wide adoption of these practices.
- Oversaw the seamless integration of an acquired property (Sansa) into the existing website with zero downtime.
- Designed real-time pipelines for secondary market functionality using AWS Lambda, ECS, SQS all within AWS CDK to make it reproducible and configurable across all environments.
- Mentored team members through consistent feedback and development plans, supporting career growth and progression.

### Google, Mountain View, CA

Sep 2019 - Jan 2022

#### Software Engineer

- Collaborated cross-organizationally with 11 product areas to gather requirements, iterate on feedback, and manage migrations.
- Increased satisfaction of our internal React.js web app by 33% after organizing an effort to understand users and implement feedback.
- Created top level OKR dashboards in HTML, CSS, and TypeScript for critical business efforts across the whole Search product area.
- Led an initiative to improve user experience across our tooling by measuring UX debt via CSAT and took action to respond to existing problems while taking steps to prevent future issues from arising.
- Presented findings on how to improve user experience org-wide, positively influencing how UX was approached internally.
- Led and reorganized the on-call rotation to make it less stressful and more actionable.
- Designed a scalable Go plugin system that streamlined access management, increased reliability, and required less maintenance.

### Tummy, LLC, Hoboken, NJ

March 2018 - Dec 2021

#### Engineering Lead

- Developed the backend of a social media app using Node.js and MongoDB, resulting in a successful release and 1000+ downloads.
- Directed the engineering team in implementing enhancements across the website, mobile app, and backend to successfully release new features such as push notifications.
- Migrated the application to more scalable infrastructure on Google Cloud Platform so the app could scale to increased user counts.

## SKILLS

**Languages:** TypeScript, JavaScript, SQL, Python, Go, Java, C++, C#, C, Bash, Erlang, Scheme, PHP, Ruby

**Frameworks & Libraries:** React.js, Node.js, Next.js, React Native, GraphQL, Socket.io, Flask, HTML, Tailwind, CSS, Twilio, Strapi.js

**Cloud Technologies:** Amazon Web Services, Google Cloud Platform, PostgreSQL, MongoDB, Redis, Hasura, Firebase, Nginx, Vercel

**DevOps & Collaboration Tools:** Docker, AWS CDK, GitHub Actions, Git, Turborepo, GitHub, Linear, Asana, Notion

**Certificate:** Google Cloud Certified – Associate Cloud Engineer

## PERSONAL & OPEN SOURCE PROJECT EXPERIENCE

### Generative Artworks

Jun 2020 - Present

- Released NFT art and smart contracts on Ethereum with \$12M+ in attributed sales across primary and secondary markets.
- Amassed over 100k followers across social platforms (Twitter, Threads, Instagram) for my code art practice.
- Donated over \$700k from art sales to charities (GiveDirectly, Cool Earth).
- Created code art tooling in Node.js that has over 100 stars on GitHub and was acquired by Art Blocks.
- Served as a panelist at NFT NYC alongside Erick Calderon and Ty Roberts talking about generative art on the Ethereum blockchain.

### PartyPic

Nov 2023 - Present

- Created an Android and IOS app written in React Native where you can upload photos to parties with your friends.
- Reduced sign up time to <30 seconds by implementing phone number authentication with Twilio and AWS Lambdas.
- Hosted all infrastructure on AWS using AWS CDK allowing all infrastructure to be reproducible, configurable, and modular.
- Created scalable pipelines for image resizing and hosting using SQS, S3, CloudFront, and Lambda.
- Maintained everything in a monorepo using Turborepo with GitHub actions for deployment, linting, and building.

## EDUCATION

### Stevens Institute of Technology, Hoboken, NJ

Master of Science in Software Engineering, **GPA 3.97**

Graduated May 2019

Bachelor of Science in Computer Science, Minor in Entrepreneurship, **GPA 3.592**

Graduated May 2019

**Honors:** Edwin A. Stevens Scholarship, Dean's List, Computer Science Honor Society