

Alex Supkay

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EXPERIENCE

Art Blocks, New York, NY

Jan 2022 - Present

Senior Engineering Manager + Tech Lead

- 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.
- Identified AWS optimizations in GPU clusters that saved the business \$240k+ annually.
- 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.
- Reduced artist application intake time by 30% by building a Next.js, AWS Lambda, and SendGrid solution that automated Asana ticket creation, Ethereum transaction initiation, and artist email notifications.
- Established a structured OKR framework, onboarded product managers, and led a cross-functional team through Agile methodologies, ultimately resulting in improved alignment, 2x faster delivery, and organization-wide adoption of these practices.
- Oversaw the 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 a user experience initiative 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.
- Redesigned the on-call rotation to reduce stress and increase effectiveness by clarifying ownership and responsibilities.
- 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 was acquired by Art Blocks and has over 100 stars on GitHub.
- Served as a panelist at NFT NYC alongside Erick Calderon and Ty Roberts 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