



## SENIOR FULLSTACK ENGINEER

Always thinking outside of the box-model. Passionate about creating products that live and breathe.

## CONTACT

[website](#)

[email](#)

[github](#)

## EDUCATION

Bard College + BA in Biology

## SKILLS

- Typescript
- React
- React Native
- Expo
- Vue
- Real-time Systems
- LLMs / AI Integration
- Data-Driven Development
- Product Prototyping
- UI/UX Implementation
- System Design
- API Architecture
- Cloud Infrastructure
- Healthcare/Biotech Systems

## Revel + Senior Frontend Engineer + [gorevel.com](#)

2023 ~ 2025

Built fleet management systems for Revel's all-electric rideshare service that coordinated thousands of drivers and vehicles across NYC.

- Rapidly prototyped and iterated on multiple product features including fleet monitoring, driver coordination, and deployment.
- Led the driver mobile app experience for both iOS and Android, in addition to the web dashboard for fleet management.

## Visible + Co-Founder + [visible.page](#)

2021 ~ 2023

Built Visible from zero to one: a collaborative platform that turns static content into interactive, multiplayer pages with custom maps, calendars, galleries, and dynamic views.

- Developed a full-stack multi-modal information organization tool with multiplayer editing capabilities.
- Implemented a real-time API to manage multiple simultaneous edits at scale.

## Mount Sinai + Senior Fullstack Engineer

2019 ~ 2021

Developed critical telemedicine infrastructure during the COVID-19 pandemic, delivering a secure, intuitive platform that enables millions of Mount Sinai patients to access virtual healthcare.

- Led development of multiple core features of the application such as a HIPAA-compliant video-visit system, the appointment booking flow, the registration flow, and various core APIs.
- Collaborated closely with cross-functional partners including clinicians and designers to translate complex healthcare requirements into technical implementations.

## AnimXYZ + Co-Creator + [animxyz.com](#)

2020 ~ 2021

Created AnimXYZ, the first fully composable and customizable CSS animation toolkit that lets you create animations for your HTML, Vue, or React website using plain english.

- Built a widely used multi-framework library that now has over 2k stars on GitHub.
- Used lots of cutting edge CSS keyframes and variables trickery.
- Recorded an episode on PodRocket about the library.

## YaHerd + Co-Creator + [yaherd.co](#)

2018 ~ 2019

Created a friction-free event coordination app that lets anyone create and share gatherings without sign-ups, downloads, or personal data collection.

- Combined my full-stack development expertise with my brother's design and UX expertise to build the application from the ground up.
- Managed complete DevOps pipeline including domain configuration, CI/CD automation, and zero-downtime deployment strategies.

**Wyss Institute at Harvard ♦ Systems Engineer****2016 ~ 2018**

Designed and built an automated robotic platform and application for culturing and monitoring human organ-on-a-chip devices, handling complex liquid delivery, environmental control, and time-lapse imaging with minimal human intervention.

- Led end-to-end development of robotic hardware, control systems, and user interface from concept through deployment.
- Iterated on mechanical and software design to maximize experimental reliability, ease of use, and operational stability in incubator environments.
- Collaborated closely with biologists to design workflows and UI patterns that integrated seamlessly with existing laboratory protocols.

🔗 *Nature Biomedical Engineering*: Robotic fluidic coupling and interrogation of multiple vascularized organ chips

🔗 *Nature Biomedical Engineering*: Quantitative prediction of human drug pharmacokinetic responses enabled by fluidically coupled vascularized organ chips

**Wyss Institute at Harvard ♦ Microdevice Engineer****2014 ~ 2016**

Designed novel microfluidic devices replicating human tissue physiology and built data-driven tools to optimize the fabrication-to-experiment cycle.

- Engineered microchip architectures to enhance cellular compatibility and increase experimental throughput.
- Built a data-driven experiment tracking application that enabled systematic design iteration throughout the fabrication lifecycle.

🔗 *Nature Biomedical Engineering*: Mature induced-pluripotent-stem-cell-derived human podocytes reconstitute kidney glomerular-capillary-wall function on a chip