

I am a multidisciplinary engineer with professional experience across the stack. From rapid prototyping to multi-year migrations, I thrive in defining problems, deploying practical solutions and am happy building in green fields or in fields totally overgrown with weeds. Reach out if you'd like to chat!

## Work Experience

<b>Staff Software Engineer</b> Web team	<b>Soundcloud</b> Los Angeles, CA	<b>Aug 2023–Present</b>
<ul style="list-style-type: none"><li>Designed/built an architecture to embed a new web application into a 17 year old one (soundcloud.com) while increasing creator subscription conversions by 22%</li><li>Redesigned/built artist track upload experience, increasing the perceived total time to upload speed</li><li>Improved lighthouse performance scores across high traffic pages – LCP: 88%, FCP: 29%, TTB: 13%</li><li>Established engineering processes for tech debt, code review protocols, ADR proposals, testing standards for our international engineering team</li><li><a href="#">Added Rive animations</a> and leveled up our design team to utilize the new format</li></ul>		
<b>Head of Engineering</b> Core product	<b>Turntable.fm</b> Remote	<b>2021–2023</b>
<ul style="list-style-type: none"><li>Launched 4 consumer web and mobile products under my engineering leadership</li><li>Design/built backend services for real-time video streaming, audio messaging and video messaging apps</li><li>Design/built payment and reward service for influencers promoting our services</li><li>Products: Glow.dev, <a href="#">Sup.audio</a>, <a href="#">Seen.lol</a>, <a href="#">Hightide.link</a></li></ul>		
<b>Staff Software Engineer</b> Web, Mobile, API	<b>Hustle</b> San Francisco, CA, USA   Remote	<b>2017–2021</b>
<ul style="list-style-type: none"><li>Doubled perceived performance of client message sending speed</li><li>Designed/built new message “targeting” system allowing clients to reference full history of their platform usage for subsequent use</li><li>Migrated entire codebase off Parse SDK and onto GraphQL gateway</li></ul>		
<b>Founder</b>	<b>Selfless</b> San Francisco, CA	<b>2015-2020</b>
<ul style="list-style-type: none"><li>Designed/built/launched web and mobile service for sharing physical goods with friends and neighbors</li><li>Solo marketed to communities in the Bay Area</li></ul>		
<b>Senior Software Engineer</b> Beats Music, Core API	<b>Apple</b> San Francisco, CA   Cupertino, CA USA	<b>2012-2015</b>
<ul style="list-style-type: none"><li>Designed/built billing system responsible for subscription revenue through an ancient payment gateway</li><li>Built internal content scheduler for editorial team</li></ul>		

## Education and Certifications

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|----------------------------------------------------------------|------------------|
| • <b>B.A. Physics</b> University of California, Berkeley.      | <b>2007–2011</b> |
| • <b>B.A. Astrophysics</b> University of California, Berkeley. | <b>2007–2011</b> |

## Technologies and Languages

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- Languages: Typescript, Javascript, Node.js, Python, Lisp, Ruby, Go
- Technologies: React, React-Native, GraphQL, Next, MySQL, PostgreSQL, AWS, Terraform, Git
- Other: Cloudflare, AWS, Drizzle, HonoJS, Rive, Elasticsearch, Redis, Cassandra, Firebase

## Projects

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- [24HourHomepage.com](#) - An internet art project earning [ProductHunt's #2 product of the day](#)
- [MagicButton.club](#) - A passion project promoting indie musicians
- [Privatize \(git plugin\)](#) - An open source tool for transparently encrypting HEREDOCs in a git repository
- [Everyone Everywhere All At Once](#) - An internet art project inspired by the Oscar winning film *Everything Everywhere All At Once*

## Interests

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- I love camping with my wife and dog and exploring Mexico
- I run an annual [goals motivation club](#) for people's New Year's resolutions
- I am a film buff and keep a huge collection of DVDs and Blu ray worth owning