TILO MITRA

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About Me

I'm an Engineering Manager and a full-stack JavaScript Engineer. I enjoy building high-performing teams and empowering engineers to do their best work.

Key Technology Skills

Back-end: NodeJS, ES6/7, Express, NextJS, MySQL, Mongo, PostgreSQL, and more.
Front-end: Responsive Single-page Apps with React, Flux (Redux), Webpack, and more.

Engineering Manager, SoundHound Inc., Toronto – 2017-Present

Managed a distributed team of Full-Stack JavaScript Engineers across 3 Geographical Locations. I placed an emphasis on career advancement, developer empowerment, and ensuring everyone on my team understood the importance of their role.

Responsible for recruiting and growth. I helped grow the Web Team from being the sole engineer on it to a team of 10 engineers across 3 timezones working on over two dozen different web products.

Collaborated with Product, Marketing, and Operations teams to launch new products and iterate on existing ones. I have been responsible for guiding technical decisions, product roadmaps, sprints, and improving pipelines to guarantee stable & timely releases.

Senior Software Engineer, SoundHound Inc., Toronto – 2014-2017

Responsible for full-stack development of Houndify, SoundHound's self-service web application to let anyone add a Voice Artificial Intelligence to their software. I built Houndify from a blank `index.html` file to a web application that has 80,000+ registered developers, working on over a 1,000+ products, leading to a $75M VC investment.

Architected and developed tools and processes that allowed SoundHound's voice recognition engine to learn multiple languages. My tools have facilitated the collection & management of 5M+ audio recordings, resulting in our AI understanding multiple languages.

Responsible for determining SoundHound's front-end web stack. I have helped guide technology decisions have improved the productivity of other engineers, made talent acquisition easier for our recruiters, and improved engineering culture.

Front-end Software Engineer, Yahoo, Sunnyvale — 2012-2014

Developed the core of <u>YUI 3</u> - Yahoo's open-source JavaScript and CSS platform used across all of its major web properties. Code written by me was visible to 1B+ users on Y! Front Page, Mail, and Search.

Wrote <u>Pure</u>, a popular CSS Framework with 15,000+ stars on <u>GitHub</u>. It is the most popular open source library made by Yahoo.

Gave <u>numerous conference talks</u> at conferences such as CSSConf, Open Hack USA, and YUI Conf.

Personal Projects & Achievements

<u>Developer 30 Under 30</u>: I was recognized as one of the top 30 under 30 developers in Canada by a varied panel of judges.

<u>Remote Job Lists</u>: Built a web application that sources remote jobs across the internet. I didn't have enough time to work on it, so I decided to open source it.

<u>Bedrock</u>: A Node Boilerplate that lets you set up a web app with user authentication, security, and React front-end in under 10 minutes.

Education

University of Waterloo, Canada — Bachelors of Applied Science (with Honours) in Systems Design Engineering (2007 - 2012)