

Sam Weiss

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Summary

Senior technical lead (IC6) with deep experience in browsers, distributed systems, and AI products. At Meta, led teams shipping new features, performance improvements, and infrastructure to billions of users. Also building Rex Math, a tutoring platform piloting in Montana schools.

Education

Tufts University *Combined BS/MSE in Computer Science* 2013 – 2018
 ◦ **Master's Thesis:** Improving Database QoS with Double Dispatch

Experience

Senior Technical Lead Singapore, New York
Meta - In App Browser Jan 2024 – Present

- Led a team of 6 senior engineers to design and build four different AI powered features for Organic In App Browser users designed to scale up to billions of sessions per day.
- Shipped browser performance improvements reducing page load times by 200+ milliseconds, resulting in \$100Ms of additional revenue.
- Collaborated with W3C and Meta partners to launch Interoperable Private Attribution experiment, a pioneering privacy-preserving advertisement attribution technology that enables advertisers to measure campaign effectiveness while protecting user data.
- Led cross-functional engineering teams to deliver critical browser features, including multi-window support, 3rd party cookie controls, and file download capabilities, driving core product advancements.

Senior Software Engineer San Francisco
Meta - In App Browser Nov 2021 – Jan 2024

- Developed and maintained a customized fork of the Chromium WebView, implementing performance and reliability enhancements inside of Facebook for Android.
- Built novel solutions for distribution of 100MB of executable code on demand to billions of users around the world which increased distribution efficiency from 15% to 95%.

Software Engineer Menlo Park
Meta - Jobs on Facebook Jun 2018 – Nov 2021

- Built three prototype professional networking products in six months by collaborating closely with Product Managers and Research deploying prototypes on both iOS and Android.
- Led a team of three junior engineers developing metrics for estimated hires on the Jobs on Facebook platform which drove changes in our ranking algorithm resulting in a 2% increase in match efficiency.
- Built human review tools, developed protocols for content evaluation, trained ML models to downrank scam jobs on Facebook which decreased the percentage of applications going to scam jobs from 40% to less than 5%.

Projects

REX Math - Individual Master Learning Tool myrex.org 

- Developed the Rex Math AI teaching platform leveraging SoTA models from Anthropic to deliver instant and personalized mathematics education to students in Middle and High School courses.
- Delivered comprehensive tools for teachers to understand the progress that their students are making. Implemented a robust content management system for teachers to create teaching content which can be used and extended by any other teacher on the platform.
- Currently in testing in a Montana school district.