

Edward Li

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EXPERIENCE

Meta Platforms, Inc.

Cambridge, MA

Senior Software Engineer (Mobile Networking f.k.a. Client Side Traffic Infra)

October 2023 - March 2025

- Enabled dynamic CDN fallback targeting for IG-iOS, Threads, preventing network-based app-start failures on CDN failures, +0.2% DAU
- Unified HTTP priority logic across Meta apps, enabling faster experiment development times for product
- Invented a lightweight, cross-platform C++ logging framework for network information on all Meta apps, giving new apps an easy-to-install default logger
- Integrated Reliable Media Download with FB, Threads, Workplace, enabling live targeting of media URLs to optimal server. Reduced image failures by 1% and video failures by 0.4%
- Contributed to [moxygen](#), Meta's implementation of IETF's Media Over Quic (MoQ) protocol

Junior -> Mid-level -> Senior Software Engineer (Conveyor)

June 2021 - October 2023

- Led migration of Conveyor's internal data representation + UI, enabling 100% adoption for 50k+ services
 - Led a v-team of 5 engineers; coordinating milestones, monitoring satisfaction and oncall load
 - Backfilled front-end engineering gaps post-2023 layoffs, ensuring roadmap completion for React UI
 - Designed, implemented, and deployed translation layers, build+test orchestrators, deployment freezes, and metadata providers, while introducing Rust best practices to green team
 - Implemented logic to enable 45% of service migration, closing the loop on unification
- Invented a DSL for deployment configurations, balancing simplicity and flexibility; for all Meta engineers
- Collaborated closely w/ Security Team on fixing bad-actor abuse vectors and standardizing auditing
- Self-identified, designed, and implemented fixes to reduce latency for multiple services by up to 50%
- Presented at [Systems @Scale 2023](#) on Conveyor, Meta's Continuous Deployment platform
- Mentored an intern + designed a project to allow for custom jobs to be run in deployment engine

Datto, Inc.

Boston, MA

Software Engineer Intern (Datto Networking, Routers and Switches)

January 2020 - June 2020

- Implemented check-in logic, self-recovery, and health monitoring for managed network switches
- Scrubbed UI of cross-site scripting opportunities
- Developed full stack features from Vanilla JS frontend, PHP backend, and on-device Go code

SKILLS

Languages: Rust, C++, Kotlin/Java, Objective-C, JavaScript, Python3, OCaml

Frameworks/Libraries: React, NodeJS, Tokio, JUnit, Thrift

Skills and Specialties: Large scale migrations, Unification initiatives, PL agnostic + design knowledge

PROJECTS

Khoury Office Hours (NextJS, NodeJS, Cypress, NestJS):

<https://github.com/sandboxnu/office-hours>

- Web app to facilitate hosting office hours during COVID-19 shutdown, through queue management tools for TA-student interactions; commissioned -> deployed in 3 months
- Implemented schedule parsing, core queue front-end functionality, real-time notifications, SSO integration
- Mentored future maintainers and wrote extensive handoff docs for on-call situations, general architecture decisions, and feature implementation guidelines

SearchNEU (React, Express, Node):

<https://github.com/sandboxnu/searchneu>

- Web app to streamline class search at Northeastern
- Added Facebook Messenger notifications; refactored frontend for Vercel deployment
- Collaborated with original creator + team of students to transition project into a community-owned model

EDUCATION

Northeastern University

B.S. in Computer Science, Magna Cum Laude, 2021

PERSONAL

Appalachian Trail NOBO 2025

- I completed a Thru-Hike of the Appalachian Trail, a 2197.4 mile continuous footpath from Georgia to Maine, from March-August 2025
- This journey exposed me to those outside of my echo chamber, and helped me build resilience and adaptability, through collaborating with others in high-stakes scenarios
- I blogged my journey on well-known thru-hiking blogging site, The Trek, to thousands of followers

Drum Corps, Winter Percussion, and Pageantry Arts

- I am an alumnus of the Pioneer Drum and Bugle Corps, and the Cavaliers Drum and Bugle Corps, members of Drum Corps International
- I am also an alumnus of United Percussion, a World Class Percussion Ensemble, and member of Winter Guard International
- I generally volunteer for both the Cavaliers and United Percussion in large portions of my free time

Other Hobbies

- I've been a member of multiple community music ensembles, learning new instruments as needed
- I like rock climbing! Sometimes
- I run casually