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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
- Added network probing to map ad conversions to users, restoring signal loss post-iOS 14.5
- 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 (Meta's continuous deployment offering) internal data representation + UI, enabling 100% adoption for 50k+ services
  - o Led a v-team of 5 engineers; coordinating milestones, monitoring satisfaction and oncall load
  - o Backfilled front-end engineering gaps post-2023 layoffs, ensuring roadmap completion for React UI
  - o Designed, implemented, and deployed translation layers, build+test orchestrators, deployment freezes, and metadata providers, while introducing Rust best practices to green team
  - o 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, tech conference for large-scale distributed systems
- Mentored an intern + designed a project to allow for custom jobs to be run in deployment engine

Software Engineer Intern (Payments Infrastructure)   *June 2020 - August 2020*
- Created migration tool for internal payments API, that detected deprecated call-sites across PHP, C++, and Python stacks
- Designed and implemented a graph visualization for the payments flow finite state machine

Datto, Inc.   **Boston, MA**
Software Engineer Intern (Datto Networking, Routers and Switches)   *January 2020 - June 2020*
- Implemented check-in logic and health monitoring for managed network switches in PHP and Go
- Scrubbed UI of cross-site scripting opportunities

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, queuing, student, TA, and teacher front-end views, real-time notifications
- Mentored future maintainers and wrote extensive handoff docs for on-call situations, general architecture decisions, and feature implementation guidelines

EDUCATION

Northeastern University   *B.S. in Computer Science, Magna Cum Laude*, 2021

PERSONAL

Appalachian Trail Thru-Hiker 2025, Alumnus + Volunteer of The Cavaliers Drum & Bugle Corps and United Percussion, rock climber; community orchestra member, Ultramarathoner