

Engineering leader with a decade at Meta, specializing in Trust and Safety (aka Integrity in Meta parlance) and crisis response. Built and ran the systems and processes used during elections, civic crises, and other emergencies. Experienced people manager and individual contributor leading cross-org initiatives.

Experience

Meta (Facebook)

Aug 2015 - July 2026

Software Engineer (Cross-Org Tech Lead)

Jan 2025 - July 2026

Remote (Seattle, WA)

- Floating tech lead brought in to bolster critical areas across the Trust and Safety needing additional engineering support or guidance.
- Led fire fighting for company-wide effort against ad scams: built short-term responses to keep it under control while long-term fixes were built, and worked with those teams to accelerate long-term solutions. Collaborated across operations, legal, and policy to bring prevalence of high-risk scams to 0 in key markets.
- Co-led the incident review (SEV) program for Meta's Integrity org (roughly 2,000 engineers), with visibility to VP-level leadership and a senior-director-level executive sponsor. Revamped program, introducing org-wide goals for review quality, timeliness, and completeness and hit them, and introduced improved processes for major (SEV1) incidents that reduced their recurrence.

Software Engineer (Elections Integrity Eng Lead)

April 2024 - Jan 2025

Remote (Seattle, WA)

- Company-level lead for the "year of elections" in 2024, with the most national elections in world history.
- Directly supported more than a dozen high-priority elections, scaled support model to dozens more without dedicated engineering or product teams.
- Guided incident response efforts for dozens of crisis events, covering almost every Meta product (Facebook, Instagram, Messenger), multiple countries, and every major system in the Integrity tech stack.

Software Engineering Manager (Cross-Meta Integrity)

July 2021 - April 2024

Remote (Seattle, WA)

- Managed a team of 10 engineers owning 5 products supporting Meta's integrity and crisis-response systems, spanning detection, investigation, and response.
- Led measurement workstream to develop first integrity impact metrics and goals for crisis response efforts.
- Led org roadmapping process, introducing OKRs for the first time. OKRs remained the default for the next 5+ years.
- Team built real-time rules engine that operated across Meta products for ad-hoc detection and enforcement.

Software Engineer (Tech Lead - Civic Integrity)

Feb 2018 - July 2021

Menlo Park, CA

- Founded Rapid Response (crisis response team) and led it as an individual contributor through its growth to three sub-teams and 20+ engineers. Ran Meta's first Election War Rooms, for the 2018 US and Brazil elections, building a critical 0-1 cross-org, cross-function effort with a very short and unmovable deadline.
- Supported every major global election and crisis from 2019 on: the Christchurch and Sri Lanka Easter terrorist attacks, mass shootings, COVID-19, the 2020 US wildfires, mass protests and US 2020.
- Developed a scaled bulk actioning tool to handle ad-hoc enforcement actions at scale. This eventually grew into the de-facto incident response clean-up tool across engineering and operations, and was responsible for 10% of daily Integrity enforcement volume across Meta.
- Built cross-Meta real-time integrity monitoring infrastructure. This was a one-week hack-a-thon project that scaled into the primary crisis monitoring tool for all of Integrity.

Software Engineer (Networking - Express Wi-Fi)

Aug 2015 - Feb 2018

Menlo Park, CA

- Backend and networking engineer building low-cost connectivity infrastructure for under-connected regions of the world.
- Operated as a start-up within Meta: we developed and deployed our own solutions outside of the Meta stack and datacenters, eventually merging back in.

- Developed 'tokenizer' encryption middleware that enabled business logic migration onto Meta infra while complying with telecom regulations requiring local data control.
- Designed ground network solution for satellite internet (Amos-6). Rocket carrying the satellite (Falcon 9) exploded before launch.

Early Internships

2006 - 2014

- **Meta (Facebook)**, Software Engineer Intern, Menlo Park, CA — Network Systems infrastructure (Summer 2014)
- **LogicBlox**, Compilers Intern, Atlanta, GA — Datalog compiler team; developed an incremental Datalog linking algorithm (Summer 2011)
- **Intel**, Graduate Technical Intern, Austin, TX — Pre-silicon validation; built a distributed Mur ϕ model checker in Erlang (2009-2010)
- **National Instruments**, Research Intern, Austin, TX — Automated formal verification system for LabVIEW/G using the ACL2 theorem prover (2007-2009)
- **IBM**, Linux Technology Center Coop, Austin, TX — Xen/ABAT virtualization team (Summer 2007); CAD tooling Coop, Poughkeepsie, NY (Summer 2006)

Skills

Languages (decreasing familiarity/freshness): Hack (PHP), Python, SQL, Javascript

Education

Cornell University

PhD, Computer Science

M.S., Computer Science

Ithaca, New York

Fall 2010 - Spring 2015

Spring 2014

University of Texas at Austin

B.S., Turing Scholars Computer Science (Dept. Honors)

B.S., Pure Mathematics

Fall 2005 - Spring 2009

Fall 2005 - Spring 2009

Publications

- **FatTire: Declarative Fault Tolerance for Software-Defined Networks**
(with M. Canini, A. Guha, N. Foster). ACM Workshop on Hot Topics in Software-Defined Networks (HotSDN). 2013.
- **Machine-verified Network Controllers**
A. Guha, **M. Reitblatt**, N. Foster. ACM Conference on Programming Languages Design and Implementation (PLDI). 2013.
- **Abstractions for Network Update**
(with N. Foster, J. Rexford, C. Schlesinger, D. Walker). ACM SIGCOMM Conference. 2012.
- **Consistent Updates for Software-Defined Networks: Change You Can Believe In!**
(with N. Foster, J. Rexford, D. Walker). ACM Workshop on Hot Topics in Networks (HotNets X). 2011.

Additional publications from 2009–2013 (network verification, model checking, formal methods) available on request.