

TECHNOLOGIES AND LANGUAGES

- Languages: Hack (PHP), Java, JavaScript, HTML, CSS.
- Technologies: React, GraphQL, Relay, Git, MySQL.
- Other: Data structures and algorithms, System design, Design patterns.

WORK EXPERIENCE

- Meta** **Sept 2023 - Present**
Software Engineer II London, UK
- Spearheaded the shutdown of Meta's AR effects platform (Spark) across 8 teams, 500K developers, and 2.5B+ end users - zero production incidents. Built an acquisition tool in Hack (PHP) and GraphQL to acquire the top 2,000 AR effects and coordinated a 1M-email communication campaign.
 - Architected and shipped a Hack (PHP) backend service handling 25M requests/month that packages, cryptographically signs, and delivers Protobuf wearable app configurations via GraphQL across 18 locales to 100K users via CDN.
 - Built a cryptographic challenge-response verification service in Hack (PHP) for Meta's AR glasses, gating sensitive device features (camera, registration) on iOS and Android. Processing 15,000+ verifications/month with 98% test coverage.
 - Identified a zero-infrastructure gap blocking automated testing - no mechanism existed for pre-loaded test data. Built a reusable Test Builder on top of the Jest E2E framework, now powering 400+ tests and adopted by 3 teams.
 - Owned the developer documentation platform built in React, Relay, and GraphQL spanning 7 SDK releases (v0.1-v0.7), serving 1.1M visits/month. Sole owner of the landing page (200K visits/month), and proposed the workaround for Swift API references that unblocked the SDK public launch. SDK references draw 142K visits/month.
 - Drove the team's testing culture from zero to 96% critical-path coverage (target: 80%) and 66.72% overall coverage (target: 65%), personally authoring 100+ E2E tests (25% of total). Built a test health dashboard that cut tracking time from 45 min to 5 min (9x faster), resulting in zero production incidents post-launch, down from 10 before.
 - Diagnosed a UX bottleneck where every save action triggered a full 1,500ms page reload. Replaced hard React/Relay refreshes with client-side GraphQL cache updates (Relay Store Updaters), cutting re-render time to 20ms - a 75x improvement adopted as the team-wide standard.
 - Ran the pre-release hardware testing programme, authoring instructions for 20 of 30 sessions and coordinating automated bug triaging. Surfaced 217 critical bugs with an 87.5% fix rate before public release.
 - Unblocked beta access for 10,000 users by building the email invite system in Hack (PHP), GraphQL, and XHP and driving the multi-team approval workflow across content, legal, and privacy teams.

- Meta** **Mar 2022 - Aug 2023**
Software Engineer London, UK
- Re-architected a broken notification system end-to-end in Hack (PHP), GraphQL, React, and Relay: built the notification model with automatic channel fallback (Facebook → Instagram → email), implemented 20+ notification types, and created a config-driven framework enabling zero-code notification additions. Delivers ~450K notifications/month.
 - Rebuilt the Spark AR documentation site (840 pages) in React and Relay: designed a new content rendering system and wrote Hack (PHP) automation scripts that fixed every document (broken links, missing images, malformed content) - eliminating 150 hours of manual work. Zero production breakage.
 - Co-led the advanced search project, owning the full React and Relay frontend: built a multi-faceted GraphQL filtering system (topic, skill level, content type) and a guided onboarding walkthrough for first-time visitors. Achieved a 60% new-user conversion rate and grew total search users by 17%.

EDUCATION

- University College of Applied Sciences** **Sept 2017 - Feb 2022**
BSc. in Information Security Engineering Gaza, Palestine
- High Distinction, Dean's List (6/9 semesters) · GPA: 90.68%.