

Kevin Pei

Let's work on something awesome.

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WORK EXPERIENCE

Meta | Senior Software Engineer

November 2020 – Present

- **Meta RayBan Display:** DRI for UI component library and motion design systems; built foundational UI components, helped build operating system features (live activities, notifications, pinch-to-dismiss), resolved critical launch-blocking bugs, and drove accessibility including 2× text scaling and screen reader support.
- **Messenger Web:** Led 4 engineers as Web Trust TL shipping E2EE onboarding flows (+3% E2EE onboarding, +7% device restore rate) and individual features driving +25K/day E2EE opt-ins; architected a client-side DB migration framework adopted across 5+ partner teams.
- **Marketplace (product):** Launched Home Hub (a new browsing and discovery surface) and Seller Mode (a seller-focused experience) from scratch; modernized search filters (+7% search sessions) and built a reusable campaign framework.
- **Marketplace (integrity & compliance):** Architected a reporting screens framework enabling rapid development of listing and user report flows; led INFORM regulatory compliance implementation across web and mobile in collaboration with legal.
- Planned and managed 3 internships to successful outcomes

OTHER EXPERIENCE

Collegiate Internships

- **Meta** (Summer 2019): Built Marketplace features with Hack/PHP, React, GraphQL, and React Native.
- **Meta** (Fall 2018): Wrote codemod to automatically remove unused Flux actions and related tests.
- **LCBO** (Winter 2018): Set up Kubernetes pipeline on Azure, improving deployment times by 15×.
- **Yahoo!** (Summer 2017): Internationalized the entire Fantasy Football registration flow.

Hack the North | Infrastructure | Formerly: Developer, Team Lead January 2017 – September 2020

- Migrated stack to Docker and GKE, introduced Elastic APM to scale to thousands of concurrent users.
- Constructed multiple web apps including a React-based form library used by 6200 applicants.

homebridge-wiz-lan

- Open source Homebridge plugin for local LAN control of Philips Wiz smart bulbs; featured in [Ars Technica](#).

NOTABLE AWARDS

Canada Developer 30 Under 30

Spring 2019

TECHNICAL SKILLS

Version Control & DevOps | Docker, Git, Jira, Kubernetes, Buildkite CI, & GitHub Actions

Tooling | Android Studio, AOSP, Bash, MySQL & Postgres, Vim

Web & Mobile | React, React Native, GraphQL, IndexedDB, Web Workers, OAuth 2.0, E2EE systems

Proficient Languages | TypeScript, JavaScript, Kotlin, Java, Hack, Python, CSS, OCaml, PHP, Ruby

EDUCATION

Honors Bachelor of Computer Science Co-op | University of Waterloo

2020