

Kevin Pei

Let's build awesome.

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WORK EXPERIENCE

Meta | Senior Software Engineer

November 2020 – Present

- **AR Glasses:** Leading Wearable Design System for AR Glasses.
- **Enterprise Solutions (FDE):** Deployed WhatsApp AI agents and custom integrations with enterprise clients; created runbooks to onboard FDE team.
- **Meta RayBan Display:** Led UI component library and motion design systems; contributed to operating system features (live activities, notifications, pinch-to-dismiss), drove accessibility features (text scaling, screen reader); pioneered Muse AI agent integrations.
- **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):** Built and launched browsing, discovery, and seller experiences; modernized search filters (+7% search sessions) and built campaign frameworks.
- **Marketplace (integrity & compliance):** Architected listing and user reporting flows; led INFORM regulatory compliance implementation across web and mobile.
- Planned and managed 3 internships to successful outcomes

OTHER EXPERIENCE

Side Projects

- **Noema:** Personal AI agent harness emphasizing simple UX, automatic connectors, and security.
- **hermes-guardian:** Security and privacy policy plugin for the Hermes AI agent.
- **homebridge-wiz-lan:** Homebridge plugin for Philips Wiz smart bulbs; featured in [Ars Technica](#).

Hack the North | Infrastructure, Backend, and Frontend Lead

January 2017 – September 2020

- 4 years organizing Canada's biggest hackathon: oversaw frontend web properties, rewrote primary backend API, and scaled dozens of services to millions of requests with Kubernetes.

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 15x.
- **Yahoo!** (Summer 2017): Internationalized the entire Fantasy Football registration flow.

NOTABLE AWARDS

Canada Developer 30 Under 30

Spring 2019

TECHNICAL SKILLS

AI | Harness Design, Evals, MCP

Languages | TypeScript, JavaScript, CSS, Kotlin, Java, PHP, Hack, Python, GraphQL

Technologies | React, Android, E2EE, OAuth, E2EE, IndexedDB, Postgres, Kubernetes

EDUCATION

Honors Bachelor of Computer Science Co-op | [University of Waterloo](#)

2020