Tiger Oakes

Seattle, WA (US Citizen) | github.com/NotWoods | contact@tigeroakes.com | 253-778-6251

Client-side performance focused software engineer offering 12+ years of experience leading multiple product launches, building 3 web browsers, hundreds of open-source projects, and cross-browser compatible W3C standards.

Technologies and Languages

- TypeScript, JavaScript, HTML, CSS, Kotlin, Java, C#, Python
- React, Node.js, Android, AWS, SQL, Deno
- Data structures and algorithms, API design, engineering best practices, unit testing

Experience

Microsoft, Senior Software Engineer - Microsoft Loop   **Aug 2023 — Present**

- Coached 80+ engineers, wrote documentation, gave tech talks to significantly raise quality of testing, performance, & accessibility in high-traffic, high-scale web application.
- Reduced thousands of developer man-hours by writing detailed tech specs and clear designs ahead of time.
- Shipped multiple AI apps in just 2 months and saved significant back-and-forth work.
- Leaned on by the entire org as subject matter expert in Web, JavaScript, React, CSS.

Microsoft, Software Engineer II   **Sep 2022 — Aug 2023**

- Created stronger testing culture by building better testing tools, documentation, and improving peer review processes.
- Improved performance and code maintainability by inventing virtualization system for thousands of pages.

Microsoft, Software Engineer   **Aug 2021 — Sep 2022**

- Doubled rendering performance and saved engineering time across all of Microsoft by leading design language & UI framework migration process with design, product, and engineering partners in 3 orgs and multiple teams. Resulted in an improved reusable components library getting promoted across the company.

Mozilla, Android Engineer - Firefox   **May 2019 — Aug 2020**

- Built and shipped brand new web browser in Kotlin to 100M+ users on Google Play Store.
- Partnered with engineers at Google, Intel, and Apple to add maskable icon support to Firefox, Chrome, and Safari.
- Featured Firefox in front of hundreds at Chrome Dev Summit 2019 keynote by adding Trusted Web Activity support.
- Set web, Android, and iOS interaction standards as World Wide Web Consortium (W3C) Invited Expert.
- Onboarded 5K+ developers onto Compose UI by writing React to Compose dictionary docs.

Google, Android Engineering Intern - Chrome for Android   **May 2018 — Jul 2018**

- Increased new user retention and saved 100+ KB by building internal tool to analyze millions of Java APK methods.
- Prevented significant release schedule delays by proactively identifying nearly exceeded Java resource limits.

Yelp, Fullstack Engineer Intern   **Aug 2017 — Dec 2017**

Community Projects

Open Source

- Built Maskable.app, industry standard developer tool recommended by Google & CSS Tricks, used 11,000+ times/month.
- Automatically prevented common bugs for 32M+ engineers/week by writing linter rules, such as in typescript-eslint.
- Made it easier to ship Android apps in Google Bubblewrap & Microsoft PWABuilder, used 2,000+ times/month.
- Produced Big Island Buses offline web app with County of Hawai'i, which won Congressional App Challenge 2014.

Speaking and Writing

- Speaker at JSConf Budapest, React Summit, CascadiaJS, and HalfStack conferences with thousands of attendees.
- Wrote articles for MDN, Google web.dev, & CSS Tricks, some of the biggest frontend resources with audience of 10,000+.
- Authored guidebook on MockK testing library for Kotlin and Android, with 20,000+ views/month.
- Wrote React to Jetpack Compose Dictionary, resource recommended by Android team to new developers.
- Mentoring new software developers through volunteering at Ada Developers Academy.

Education

University of British Columbia, Bachelor of Science in Computer Science   **Sep 2015 — May 2021**