TIGER OAKES

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Seasoned software developer offering 12+ years of experience building 3 web browsers, hundreds of open source projects, performant apps, and web standards. Strong leadership qualities, with an innate ability to steer, empower, and motivate several cross-functional teams to increase overall work efficiency, while promoting technical environment and attaining collective goals. Continuously learning and staying up to date with the latest advancements in software engineering.

Experience

Microsoft, Software Engineer II - Microsoft Loop   Aug 2021 — Present
- Doubled rendering performance and saved engineering time across all of Microsoft by leading UI framework migration process with designers, product managers, and engineers in 3 orgs and multiple teams,
- Played a key role as **React, TypeScript, CSS, and HTML subject matter expert** to strengthen performance, accessibility, & internationalization by coaching 50+ engineers, developing automated tools, giving tech talks, writing articles.
- Proactively identified hundreds of bugs in 5,000+ files by introducing and implementing automated tooling.
- Removed 1.5 seconds from repeat loads with **offline IndexedDB** caching and CSS performance improvements.
- Unlocked key features by inventing novel virtualization system to support users with 1,000+ pages shared with them.

Mozilla, Part-Time Android Developer - Firefox   May 2019 — Aug 2020
- Offered a native feel to thousands of web apps as a **feature lead** for Progressive Web App support.
- Wrote specifications for new Web App Manifest features as member of the **World Wide Web Consortium (W3C)**.
- Bridged communication gap with Google and Intel developers to add maskable icon support to Firefox and Chrome, which made thousands of web apps on par with Android apps in the home screen and drove web app adoption.
- Built and shipped brand new web browser in **Kotlin** to 100M+ users on Google Play Store.
- Featured Firefox in front of hundreds at Chrome Dev Summit 2019 keynote by adding Trusted Web Activity support.

Google, Software Engineering Intern - Chrome for Android   May 2018 — Jul 2018
- Increased new user retention and saved 100+ KB by designing and building **JavaScript** tool to analyze millions of files.
- Prevented significant release schedule delays by proactively identifying **Java** resource limits that were to be exceeded.
- Improved time to first render by **700%** by using streams and **background worker threads** to handle 180 MB downloads.

Vital Mechanics, 3D Graphics & Simulation Developer Intern   Jan 2018 — Apr 2018
Yelp, Software Engineer Intern   Aug 2017 — Dec 2017
Centre for Sustainable Food Systems at UBC Farm, Software Developer   May 2016 — Apr 2017
Oakes Management LLC, Web Developer and IT Manager   Oct 2009 — Aug 2015

Community

Open Source   2013 — Present
- Built Maskable.app, go-to developer tool recommended by Google & CSS Tricks, used **11,000+ times/month**.
- Wrote new features for typescript-eslint, eslint-plugin-jest, eslint-plugin-storybook, used by **5M+ developers daily**.
- Maintainer for **Rollup** ES6 module bundler, adding **TypeScript** types and compiler support to all plugins.
- Produced Big Island Buses offline web app with County of Hawai'i as well as won Congressional App Challenge 2014.

Speaking and Writing   2014 — Present
- Speaker at **JSConf Budapest 2022**, **CascadiaJS**, and **HalfStack** conferences with thousands of attendees.
- Wrote web development articles for **CSS Tricks**, **MDN**, and **web.dev** with thousands of views.
- 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.

Technical Proficiencies

TypeScript | JavaScript | React | HTML5 | Kotlin | Java | Android | Python | C# | Node.js | Deno | Design | Animation

Education

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

Awards

Finalist: nwHacks 2018 (out of 800+), Hardcore Top 3: Yelp Hackathon 24.0 (out of 44),
UBC Work Learn International Undergraduate Research Award,
Grand Prize: Congressional App Challenge 2014: Hawaii's 2nd Congressional District