

# Reid Burke

## Software Engineer

San Jose, California

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Toolmaker helping engineers write great software.

I focus on frontend engineering in TypeScript, JavaScript, React, and Node.js.

## Work Experience

### Principal Software Engineer      Yahoo Holdings, Inc.

December 2023 — Present

Leading a group of 7 engineers to build the platform for a new Yahoo Mail product.

- Rewrote app framework for Yahoo Mail to use latest React 18 APIs for streaming server response with 1 second faster FCP.
- Upgraded React and Redux to legacy-free context and latest versions while keeping all legacy UI working.
- Reduced pull request build time by 83% using faster test automation on Testing Library with greater test confidence.
- Rewrote internal Webpack CSS plugin for HMR support. Reduces CSS payload by over 92% with principles like Meta StyleX.
- Created a multi-process dev server for React Fast Refresh while allowing SSR markup to stay up-to-date for hydration.
- Removed existing UI component tests and replaced with tests which verify UI outcomes instead of implementation details.
- Reduced dev server cold startup by over 75% and incremental build time by over 90%.
- Introduced Storybook to collaborate on UI components with designers using tokens from a design system in Figma.
- Automated accessibility testing for UI components using Axe Core.

### Principal Software Engineer      Yahoo Holdings, Inc.

July 2018 — December 2023

Contributed to the Yahoo Mail web frontend which serves 85 million monthly users with a React codebase created in 2014.

- Increased mobile web push notification delivery by 100% to 10 million per day with improved state management.
- Increased Mail Android app installs by 111% to 19,000 per day by identifying and fixing parser bugs saving \$6MM per year.
- Reduced production Yahoo Mail frontend Node.js server memory usage by 50%.

### Principal Software Engineer      Yahoo Holdings, Inc.

April 2017 — July 2018

Created tiny 8 KB consent SDK for GDPR compliance and TOS update across Yahoo, AOL, TechCrunch, HuffPost, and others.

- Collaborated with data teams to create anonymous reporting for real-time consent conversion analytics.
- Reduced size of standard Yahoo header components from 700 KB to 50 KB while improving security.

### Senior Software Engineer      Yahoo! Inc.

April 2013 — April 2017

Contributed to Screwdriver, an open source CI/CD system, which replaced Jenkins at Yahoo.

- Reduced end-to-end deployment time across all Yahoo products by 20%.
- Led effort to move 50 Yahoo membership systems from Subversion and Jenkins to Git and Screwdriver without downtime.

### Software Engineer      Yahoo! Inc.

July 2008 — March 2013

- Developed automated browser testing system and visualizer for YUI Library running 120,000 browser tests per commit.
- Developed platform for Facebook, Mint, and others to build secure JS apps for Yahoo's homepage with 350MM monthly users.

### Programmer      Midwest Internet Consulting Group, Inc.

March 2004 — June 2008

Developed an education CMS used by 7,000 K-12 schools. Product was acquired by Blackboard.

## Skills

TypeScript, JavaScript, React, Redux, Testing Library, Workbox, Jest, Webpack, Babel, Storybook, Service Workers, Format.JS, Node.js, npm, Web Push, Axe Core, Express, Linux, Docker, Splunk, Git, XState, SQL, jscodeshift