

Reid Burke

Software Engineer
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I am a toolmaker helping engineers be more productive. I focus on frontend engineering in TypeScript, JavaScript, React, and Node.js.

Work Experience

Principal Software Engineer **Verizon Media, Yahoo Mail** **Jul 2018 - Current**

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

- Increased mobile web push notification delivery by 100% to 10MM 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/year.
- Integrated Webpack 5 with custom dev server middleware and HMR. Reduced incremental build time by 76%.
- Reduced production Yahoo Mail frontend Node.js server memory usage by 50%.
- Initiated long-term modernization plan to upgrade core dependencies and write new components in TypeScript.
- Defined quarterly team roadmap to improve Webpack, Babel, Redux, Jest, ESLint, and other tools for Yahoo Mail.
- Reduced notification platform errors by 72% and worked with the team to build VAPID and macOS Safari support.

Principal Software Engineer **Yahoo (acquired by Verizon Media)** **Apr 2017 - Jul 2018**

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

- Collaborated with data teams to create anonymous reporting for real-time consent conversion analytics.
- Led efforts to integrate Yahoo News, Mail, and Search modules into other products in a consistent way.
- Reduced size of standard Yahoo header components from 700 KB to 50 KB while improving security.

Senior Software Engineer **Yahoo! Inc.** **Apr 2013 - Apr 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.** **Jul 2008 - Mar 2013**

- Developed automated browser test system and visualizer for YUI running 120,000 browser tests per commit.
- Developed platform for Facebook, Mint, and others to build secure JS apps for Yahoo.com for 350MM monthly users.

Programmer **Midwest Internet Consulting Group, Inc.** **Mar 2004 - Jun 2008**

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

Skills

TypeScript | JavaScript | React | Redux | Workbox | Jest | Webpack | Babel |
Service Workers | FormatJS | Node.js | npm | Yarn | Express | Linux | Docker | Splunk |
Git | XState | SQL