Ryan Killeen

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is a Senior Web Engineer with a passion for building accessible, user-focused experiences! From Fortune 50 companies to startups, he has delivered world-class user experiences while leveling up teams and processes. Always learning!

Lead Web Engineer

Cognition Controls   Feb 2023 - Present

- Vetted and migrated 75 million records to TimescaleDB for more performant Postgres timeseries storage and queries, reducing 30s long queries to sub second response time
- Migrated bespoke Koa API to *tRPC* for strongly-typed interop between frontend and backend, reducing time of feature implementation from weeks to days
- Collaborated to defined, design and developed core product functionality
- Implemented *testcontainers* for rapid integration testing in CI/CD pipeline, speeding up feature development and reducing human error
- Refreshed data visualizations with *visx* for flexibility in custom visualizations
- Introduced PostHog for user session replays and feature flag implementations

Senior Frontend Engineer

MANTL   March 2022 - Feb 2023

- Introduced feature flag development with LaunchDarkly to quickly and safely release features
- Reduced baseline bundle size by 45% (~1mb), modernized usage of NextJS from v9 to v12
- Migrated bespoke permissions solution with off-the-shelf offering, addressing the largest pain-point in feature development
- Established cross-discipline design system governance, created Storybook with interaction testing and accessibility testing best-practices
- Rapid implementation of MVP features with a focus on maintainability and iteration
- Mentored early-career engineers in front-end best practices, accessibility, and NextJS

Senior Engineer

Nerd Street Gamers   Nov 2020 - March 2022

- Implemented Sanity CMS, improving content editor experience, ease of development with NextJS, and reducing load-time to milliseconds
- Decreased load times by a minimum of 50% through image CDN optimization alone
- Added Firebase anonymous user carts and registration conversion, refactoring large portions of Auth logic and session hooks
- Led accessibility initiative to meet WCAC 2.0 Level AA compliance

Senior Frontend Engineer

Think Company   July 2016 - Nov 2020

- Engineered component library to unify designs across 4 applications, white-labeled for 30+ brands
- Mentored teams of developers in React/Redux, unit testing, and front-end best practices
- Reduced Time to Interactive by 50% for 21k daily users through code and asset optimization, caching, gzipping, and CDN usage
- Implemented Lerna to deploy UI components as individual packages, improving portability
- Architected / developed React+Redux apps, migrating from Knockout.js to modern SPA

Front-end Developer

Nimblelight   Jan 2014 - July 2016

- Migrated one-click car sale website with 3k inventory away from single provisioned servers into cloud-based Azure architecture, de-coupled and retooled inventory importer to allow for company growth
- Defined front-end development workflow, introducing and implementing NPM and Gulp
- Introduced and implemented use of Staging and QA environments, versioned deployment with Gitflow
- Introduced SVG as a solution for scalable graphics and web animation in responsive design

Education

Muhlenberg College, B. A. of Liberal Arts, 2012

Double Major: Media & Communications, Theater

Relevant Skills

HTML   CSS   JS   TypeScript   React   A11y   Jest

Playwright   GraphQL   Neo4j   CI/CD   D3.js   visx

Postgres   data viz   FramerJS   Three.js   Rust