Devin Rhode

Senior TypeScript Engineer

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EXPERIENCE

October 2023 – February 2025

# Lead Frontend Engineer, *US Bank (contract)*

* Worked within Webpack 5+Vite Module Federated micro-frontend architecture.
* Fixed several hard-to-detect caching bugs w/ micro-frontend architecture. (sessionStorage, 404's on remoteEntry files)
* Upgraded from React-Router v6 to v7 (the remix-style one)
* React hooks, Zod, Zodios, openapi-zod-client, React-Query/Tanstack-query
* GitLab, Jira, Agile Scrum, weekly demos to business.
* Expanded architecture to allow for different frameworks, like Tanstack Router or Blazor, to exist along side react-router.
* Migrated to new version of US Bank's internal component library, Shield 2.0.
* Upgraded apps to typescript strict mode.
* **Led** several technical interviews.

March 2023 – September 2023

# Senior Software Engineer, *Optum (contract)*

* Created new architecture for micro-frontends that avoids the complexities of Module Federation.
* React, TypeScript, Stripe.js. Material UI, React context, React hooks, and Azure ApplicationInsights.
* Upgraded to typescript strict mode.
* Setup second micro-frontend with Docker, Docker-compose, NGINX, pm2, SolidStart, MUI/SUID, microbundle, Nx, yalc, github actions, bash, ash, alpine linux; along with a next.js 13 app that demonstrates consuming the micro-frontend.

October 2022 – December 2022

# Senior Software Engineer, *Rye (contract)*

* Used **Remix** on Rye's manual fulfillment app. React, Tailwind, Node, TypeScript, Firebase Auth, and Firestore.
* Also worked on Rye's, built with React, Tailwind, and Stripe.js.

June 2022 – October 2022

# Senior Software Engineer, *TextUs*

* Raised code review standards.
* Upgraded Prettier v1 → v2, ESLint v5 → v8, Cypress v5 → v10.
* Setup typescript to give editor hints across the whole codebase.
* Exposed hidden request-related errors.
* Created E2E type safety RFC, which included designs for tools to help us continually improve type safety.
* Used: Material-UI, Formik, React, Redux, Redux-Saga, React-Testing-Library, Jest, Chrome Extensions, Responsive css/media queries, flexbox.
* **Led** several technical interviews.

November 2021 – June 2022

# Lead Frontend Engineer, *Land O' Lakes* *(contract)*

* Lead frontend dev on ATLAS platform team.
* Work generally focused on maximizing farmer profit.
* Updated Next.js 9 → 12, NextAuth.js 3 → 4, Webpack 4 → 5, Prettier, ESLint, TypeScript, and Node.
* Improved CI/CD quality checks.
* Added multi-tenancy support to NextAuth.js for our app.
* Created modern logging setup based on Azure AppInsights and next-logger.
* Converted [next-logger](https://github.com/atkinchris/next-logger/pull/15) and [pino-applicationinsights](https://github.com/ovhemert/pino-applicationinsights/pull/64) to 100% typescript.
* Wrote unit tests and integration tests with Jest and React-Testing-Library

September 2020 – November 2021

# Senior/Lead Frontend Engineer, *Ameriprise* *(contract)*

* Created company specific form library based on React-Hook-Form and TypeScript, which led me to develop great expertise in typescript, type generics, react memoization, and generally reducing re-renders.
* Wrote unit tests with Jest/React-Testing-Library, and E2E tests with Cypress.
* Maintained responsive designs with media queries
* Converted codebase to 99% typescript. All new code used react hooks.
* Worked with Nx.dev monorepo tooling, XO, @typescript-eslint, Prettier, etc.
* Participated in several technical interviews.
* **Acted as FE lead during second half of tenure**

March 2020 – June 2020

# Senior Frontend Developer, *Best Buy (contract)*

* Worked with React, Redux, Reselect, **SSR**, Node.js, Express.js, a home-grown feature-flag system, Akamai Edge-Side-Includes (ESI/SSI), LESS, flexbox, responsive css/media queries.
* Worked on preferred store location cookies, diagnosed and patched bug in fetch polyfill affecting iOS 11+10, causing the users store to get incorrectly overwritten with geolocation.
* Wrote unit tests with Jest/Enzyme, and E2E tests with Cypress.

November 2017 – January 2020

# Frontend Developer, *Robert Half*

*BIWorldwide:* Jan '19 - Jan '20:

* **Acted as lead on small dev team.**
* Used SASS and media queries to build Responsive web app
* Worked on several apps with BI's Custom CMS, Q360.
* Incrementally upgraded the CMS:
* React 15 → 16, Webpack 1/Gulp → Webpack 2 → Webpack 3 → Create-React-App + Craco (Webpack 4 wrapper).
* Built reverse proxy with Node.js to allow us to connect our local dev server to any backend, allowing us to simulate our code running in production. (Had to rewrite cookie headers and modify cookie flags)
* Mastered git submodules, but after heavily researching monorepos, migrated to the CMS to a classic monorepo setup.
* Initiated typescript migration.
* Created language debug mode to find hardcoded english.
* Created versioning system for frontend, allowing us to check the console for exactly what version is deployed at that time in that browser and match it back to a git tag.
* Setup Sentry.js error dashboard.

*Allen Interactions:* Nov '18 - Dec '18:

* Created learning experiences with heavy animations, CSS3/HTML5/vanilla JS.

*Alliance Laundry Systems:* Nov '17 - Oct '18:

* Worked on ember-frontend of laundromat *management* app, with emphasis on re-writing washer/dryer programming interface.
* Setup sentry.js error dashboard.

April 2016 – June 2016

# JavaScript Developer, *EPAM (contract)*

* Built a simple internal app for one of EPAM’s larger clients, Google.

June 2015 – January 2016

# JavaScript Developer, *Opera (contract)*

* Originally brought in for a simple 3 month project, which was completed successfully.
* Contract was extended, for me to create a chrome extension for a new consumer app.
* This chrome extension was architected so most ui loaded through a simple iframe, which essentially pointed to a "mobile site" with all the ui.
* This allowed us to rapidly iterate on the ux, without having to publish updates to the chrome web store.

April 2013 – August 2013

# JavaScript Developer, *Amobee (contract)*

* Helped with js side of hybrid native+web 3d ad engine.
* Upgraded ad markup language from XML to Jade templating, using Grunt.js.

December 2010 – June 2017

# Full-Stack Developer, *Freelance & Startup projects*

I've written 14 chrome extensions receiving 1,000’s of downloads in total, along with some full-stack apps.

* **[HeyImLea.com](https://web.archive.org/web/20161124175153/http://heyimlea.com/)**, Built homepage for chatbot, scripted demo with ember+redux.
* **[Scout](https://web.archive.org/web/20141218095207/http://thescoutapp.com/)**, personal startup project. Learned javascript, css, html, dom manipulation, web performance, iframes, and web scraping. <https://github.com/devinrhode2/Scout>
* **[HMU](https://web.archive.org/web/20110402103557/http://texthmu.com/)**, Built team in college, developed app for connecting with friends nearby. Used SMS with twilio, and PHP on the backend. jQuery on the frontend.

February 2010 – September 2010

# Owner, *Snap Speed Computer Care*

* Had my own computer repair service in high school. This gave me a very real view of how the elderly work with technology, and greatly influenced my perspectives on UX.

August 2009 – May 2010

# Tutor, *Mesabi Range College*

* Helped students with their Algebra and Calculus 1 homework.

May 2008 – April 2009

# Crew Member, *McDonald's*

* Learned how to work at non-stop fast pace. Except for legally mandated breaks, of course.

August 2007 – April 2008

# Paper Carrier, *Mesabi Daily News*

* Delivered newspaper ~365 consecutive mornings by foot, even on snow days.

education

Sep 2010 - May 2011

## Computer Science, University of Minnesota, Duluth

SKILLS

React, Hooks, Redux, TypeScript, SASS, Tailwind, CSS-in-JS, Responsive, a11y, SSR, Zod, Cookies, date-fns, Day.js, Material-UI, NPM, NPM Linking, NPM Scripts, Micro-Frontends, Module Federation, Webpack, Vite, Bash/ZSH, HTTP Proxies, CORS, NGINX, Docker Containers, Git Hooks, Husky, ESLint, Prettier, Git Rebase, Code Review Standards