

# Devin Rhode, Senior TypeScript Engineer

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## Skills

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- **Core:** React, Hooks, Redux, TypeScript, SASS, Tailwind, CSS-in-JS, Responsive, a11y, SSR, Zod, Cookies, etc
- **Architecture:** NPM, NPM Linking, Micro-Frontends, Module Federation, Webpack, Vite, NPM Scripts, Bash/ZSH, HTTP Proxies, CORS, NGINX
- **Cat herding:** Git Hooks, Husky, ESLint, Prettier, Git Rebase, Code Review Standards

## Work History

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### US Bank • Lead Frontend Engineer • Oct 2023 - Feb 2025

- 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, Zodiots, 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.

### Optum • Senior Software Engineer • Mar 2023 - Sep 2023

- 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.

### Rye • Senior Software Engineer • Oct 2022 - Dec 2022

- Used **Remix** on Rye's manual fulfillment app. React, Tailwind, Node, TypeScript, Firebase Auth, and Firestore.
- Also worked on Rye's [api tutorial](#), built with React, Tailwind, and Stripe.js.

### TextUs • Senior Software Engineer • Jun 2022 - Oct 2022

- 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.

### Land O' Lakes • Lead Frontend Engineer • Nov 2021 - Jun 2022

- 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 and pino-applicationinsights to 100% typescript.
- Wrote unit tests and integration tests with Jest and React-Testing-Library

## **Ameriprise • Senior/Lead Frontend Engineer • Sep 2020 - Nov 2021**

- 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.**

## **Best Buy • Senior Frontend Developer • Feb 2020 - Jun 2020**

- 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.

## **Robert Half • Frontend Developer • Nov 2017 - Jan 2020**

*BIWorldwide:* Jan 2019 - Jan 2020:

- **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 re-write 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 2018 - Dec 2018: Created learning experiences with heavy animations, CSS3/HTML5/vanilla JS.

*Alliance Laundry Systems:* Nov 2017 - Oct 2018: Worked on ember-frontend of laundromat *management* app, with emphasis on re-writing washer/dryer programming interface. Setup sentry.js error dashboard.

## **EPAM • JavaScript Developer • Apr 2016 - Jun 2016**

- Built a simple internal app for one of EPAM's larger clients, Google.

## **Opera • Front-end JavaScript Developer • Jun 2015 - Jan 2016**

- 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 web store.

## **Amobee • JavaScript Developer • Apr 2013 - Aug 2013**

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

## **Freelance & Startup projects • Full-Stack/Frontend/JavaScript • Apr 2013 - Aug 2013**

I've written 14 chrome extensions receiving 1,000's of downloads in total.

- [HeyImLea.com](http://HeyImLea.com), Built homepage for chatbot, scripted demo with ember+redux.

- **Scout**, personal startup project. Learned javascript, css, html, dom manipulation, web performance, iframes, and web scraping. <https://github.com/devinrhode2/Scout>
- **HMU**, Built team in college, developed app for connecting with friends nearby. Used SMS with twilio, and PHP on the backend. jQuery on the frontend.

**Snap Speed Computer Care • Owner • Feb 2010 - Sep 2010**

- 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.

**Mesabi Range College • Tutor • Aug 2009 - May 2010**

- Helped students with their Algebra and Calculus 1 homework.

**McDonald's • Crew Member • May 2008 - Apr 2009**

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

**Mesabi Daily News • Paper Carrier • Apr 2007 - Apr 2008**

- Delivered newspaper every day of the week, every day of the year, for one year, even on snow days.

## Education

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**University of Minnesota, Duluth 2010-2011 – Focus: Computer Science, Math**