

Charlie Park

Senior Frontend Engineer · React, TypeScript, Design Systems

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SUMMARY

Frontend engineer with 7+ years in React and TypeScript. Since 2022 the primary frontend engineer on New American Funding's partner platform: owned the design system, the server-state layer, and auth, and wrote the conventions the team coded to. Shipped a company-wide redesign and an API migration without taking the live app down.

EXPERIENCE

New American Funding, Senior Software Engineer

Aug 2020 – Sep 2026

Primary frontend engineer on a role-based mortgage platform (React 18, strict TypeScript) used by loan officers and their real estate partners to manage deals and referrals.

- Owned the frontend of a company-wide redesign, shipped feature by feature while the legacy app stayed live in production, with the core screens rebuilt mobile-first.
- Moved the data layer from the v1 to the v2 REST API one domain at a time, running both against production during the transition.
- Led the move off Material UI to a Radix + Tailwind design system for accessibility and consistency: built the shared primitives, migrated screens incrementally rather than in a freeze, and made it the default for new work.
- Wrote the team's conventions doc, reviewed the team's frontend pull requests against it, and mentored engineers through review and pairing; wired the same conventions into the Claude Code, Cursor, and Copilot rule files so assisted PRs landed on the same patterns.
- Owned the server-state layer: RTK Query across 22 domain API slices, with side effects kept out of the API layer so it stayed testable and cache sync lived in one place.
- Parallel requests against an expired token each fired their own refresh, logging users out mid-session. Built a refresh manager that guarantees one in-flight refresh with the rest queued behind it, then routed all token access through it.
- Data-heavy lists hit the network on every visit and spun on every load. Added an IndexedDB (Dexie) cache with reactive hooks and optimistic updates so they render instantly from cache and new items appear before the server confirms; split routes into 40-plus lazy-loaded chunks.
- Wrote the unit and integration tests behind the auth and registration flows (Vitest, React Testing Library, MSW) and wired coverage reporting into the workflow.
- Integrated the platform's outside dependencies: Entra SSO through MSAL, SignalR push notifications, FullStory and GA4 event tracking, Optimizely experiments, and OpenTelemetry tracing to New Relic, later replaced with New Relic's lighter browser script.
- Shipped across the stack when needed, including an SSO completion endpoint in the .NET / EF Core API and the React flow in front of it.

Seer.la, Software Engineer

Jan 2020 – Jul 2020

- Cut redundant requests and third-party provider costs with a Node + Postgres caching layer in front of external data-provider APIs.

Live Nation Entertainment, Software Engineer

Aug 2018 – Dec 2019

- Introduced React into a .NET Web Forms codebase by compiling components with Babel inside the existing build pipeline.

SKILLS

Frontend: TypeScript (strict), React 18, Redux Toolkit, RTK Query, React Hook Form + Zod, React Router, Vite

Design systems & UI: Radix UI, Tailwind CSS, Material UI, WCAG accessibility patterns, Figma-to-code, mobile-first

Quality & performance: Vitest (Jest-API-compatible), React Testing Library, MSW, New Relic (Core Web Vitals), Datadog RUM

Platform & integrations: IndexedDB / Dexie, SignalR, MSAL / SSO, Optimizely, FullStory, Google Analytics 4, .NET / EF Core, Node.js

AI-assisted development: Claude Code, Cursor, and GitHub Copilot in daily work; wrote the team's shared rule files

EDUCATION

BA, Illustration. Art Center College of Design, Pasadena, CA