

Ryan Cho, Frontend Engineer

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PROFILE

Location: Suwon, Korea (Relocating to Vancouver, BC on March 18, 2026)

EMPLOYMENT HISTORY

Oct 2024 – Present

Frontend-Engineer, Zium Knowledge Service

Seongnam

Naver Financial - Employee Welfare Platform (Frontend Lead)

Jan 2025 – Present

- Led the design and implementation of a scalable SPA architecture using React Router Data APIs.
- Designed end-to-end authentication and error-handling flows between the BFF and frontend, including a custom error class-based domain exception framework.
- Established a consistent async data-loading structure by separating route-level checks from client-side data fetching, primarily using React Query.
- Reduced production bundle size by 30% and improved performance through lazy loading, dynamic module loading, and request deduplication.
- Built a complex form state management system using React Hook Form and Zod, including secure file signature verification.
- Improved production monitoring security and accuracy by applying Sentry integration with hidden sourcemaps.
- Enhanced development efficiency and API reliability by introducing a standardized, type-safe API integration workflow, reducing integration errors and improving backend data consistency.
- Enhanced user experience by implementing client-side timeout handling and refetch strategies during BFF delays and gateway timeout scenarios.
- Contributed to implementing a Canary dark-release deployment strategy to replace the legacy Blue/Green process, enabling stable QA and progressive rollouts.

Naver Financial - Customer Inquiry Portal (Frontend Development, Sub Project)

Oct 2024 – Jan 2025

- Implemented the customer inquiry page with requirement-driven UI improvements.
- Improved mobile UI stability through cross-device testing.

Naver Financial - Internal Admin Dashboard (Frontend Development, Sub Project)

Apr 2024 – Jun 2025

- Developed internal admin dashboards using React and applied Jotai for state management.
- Integrated multiple BFF and backend APIs to support core features and ensure maintainable service interactions.

PERSONAL PROJECTS

Personal Portfolio & Tech Blog - ryanch0.dev

Oct 2025 – Nov 2025

- Built a full-stack personal blog using Next.js 15 (App Router) and Supabase for authentication, storage, and database management.
- Handled login and post creation logic on the server using Next.js Server Actions.
- Implemented a custom Markdown editor and renderer based on MDX.
- Built a Tailwind CSS-based design system and improved UI details.
- Implemented protected route handling and server-side auth verification using Next.js Middleware.
- Enhanced login security by integrating CAPTCHA and applying Redis-based IP rate limiting to block bot and brute-force attacks.
- Built an i18n locale management structure and improved routing by integrating it with Middleware.
- Optimized asynchronous rendering and loading flows using Suspense to reduce UX delays.

SKILLS

TypeScript, React, Next.js, React Query, Jotai, React Hook Form, Zod, Tailwind CSS, Storybook, Git

LANGUAGES	Korean	Native speaker	English	Good working knowledge
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EDUCATION

Feb 2017 — Feb 2025	B.S. in Electronic Materials Engineering, Suwon University	Suwon
Feb 2023 — Jan 2024	Diploma in Service Excellence for Business, ILAC International College	Vancouver