

Ryan Cho, Frontend Engineer

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PROFILE

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

PROFESSIONAL CAREER

Oct 2024 — Present	Frontend-Engineer, Zium Knowledge Service	Seongnam
Naver Financial - Employee Welfare Platform (Frontend Lead)		
<i>Jan 2025 – Present</i>		
<ul style="list-style-type: none">• 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• Improved API reliability by migrating from swagger-typescript-api to Orval, introducing OpenAPI-based client generation with Zod-powered runtime response validation, reducing integration errors and increasing confidence in backend data contracts• 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)		
<i>Oct 2024 – Jan 2025</i>		
<ul style="list-style-type: none">• 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)		
<i>Apr 2024 – Jun 2025</i>		
<ul style="list-style-type: none">• 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		

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
- Adopted a static-first rendering strategy with on-demand revalidation using revalidatePath to balance performance and content freshness
- 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

[SimpleConvert – Offline \(App Store\)](#)

Jul 2025 – Aug 2025

- Built a lightweight offline file conversion app using on-device processing only, without any server or backend dependencies
- Focused on solving a specific user problem - privacy and network dependency - by designing a simple, device-only conversion workflow

- Implemented a straightforward UI to guide users through file selection and conversion with minimal friction
 - Shipped the app to the App Store, taking full ownership of the product from development through public release
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SKILLS**Core Frontend**

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

Styling & Tooling

HTML, CSS, SCSS, Vite, Git

DevOps & Monitoring (Working Knowledge)

Docker, Kubernetes (internal orchestration, CI/CD), Grafana

LANGUAGES

Korean

Native speaker

English

Good working knowledge

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