

# Ryan Cho, Frontend Engineer

linkedin.com/in/ryanch0, +82 10-8209-9297, ryan@ryanch0.dev

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)

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% by applying dynamic imports to eliminate unnecessary code, and improved load performance through lazy loading and gzip-compressed asset delivery via Vite configuration
- Built a complex form state management system using React Hook Form and Zod, including secure file signature verification
- Improved production monitoring reliability by configuring Vite to use hidden source maps, eliminating unnecessary source map HTTP requests from monitoring tools while maintaining accurate stack trace resolution
- 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)

Oct 2024 – Jan 2025

- Built customer-facing inquiry pages with requirement-driven UI improvements, focusing on usability and clarity
- Improved mobile UI stability through cross-device testing and layout refinements

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

Apr 2024 – Jun 2025

- Developed internal admin dashboards using React and managed complex UI state with Jotai
- Integrated multiple BFF and backend APIs to support core workflows and maintain clear service boundaries

## PROJECTS

### Personal Portfolio & Tech Blog - [ryanch0.dev](https://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

SKILLS	<b>Core Frontend</b>			
	TypeScript, JavaScript , React, Next.js, React Query, React Router, Jotai, React Hook Form, Zod, Tailwind CSS, Storybook			
	<b>Styling &amp; Tooling</b>			
	HTML, CSS, SCSS, Vite, Git			
	<b>DevOps &amp; Monitoring (Working Knowledge)</b>			
	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