

# 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 <b>Naver Financial - Employee Welfare Platform (Frontend Lead)</b>	Seongnam
	<i>Jan 2025 – Present</i>	
	<ul style="list-style-type: none"><li>Led the design and implementation of a scalable SPA architecture using React Router Data APIs</li><li>Designed end-to-end authentication and error-handling flows between the BFF and frontend, including a custom error class-based domain exception framework</li><li>Established a consistent async data-loading structure by separating route-level checks from client-side data fetching, primarily using React Query</li><li>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</li><li>Built a complex form state management system using React Hook Form and Zod, including secure file signature verification</li><li>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</li><li>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</li><li>Enhanced user experience by implementing client-side timeout handling and refetch strategies during BFF delays and gateway timeout scenarios</li><li>Contributed to implementing a Canary dark-release deployment strategy to replace the legacy Blue/Green process, enabling stable QA and progressive rollouts</li></ul>	
	<b>Naver Financial - Customer Inquiry Portal (Frontend Development, Sub Project)</b>	
	<i>Oct 2024 – Jan 2025</i>	
	<ul style="list-style-type: none"><li>Built customer-facing inquiry pages with requirement-driven UI improvements, focusing on usability and clarity</li><li>Improved mobile UI stability through cross-device testing and layout refinements</li></ul>	
	<b>Naver Financial - Internal Admin Dashboard (Frontend Development, Sub Project)</b>	
	<i>Apr 2024 – Jun 2025</i>	
	<ul style="list-style-type: none"><li>Developed internal admin dashboards using React and managed complex UI state with Jotai</li><li>Integrated multiple BFF and backend APIs to support core workflows and maintain clear service boundaries</li></ul>	

---

## 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****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