

# Ryan Cho, Frontend Engineer

Portfolio: ryanch0.dev, Phone: +82 10-8209-9297, Email: ryan@ryanch0.dev

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## PROFILE

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

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## EMPLOYMENT HISTORY

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 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 an asynchronous data loading structure using clientLoader and built a unified loading experience through Suspense integration.</li><li>Reduced production bundle size by 30% and improved performance through lazy loading, dynamic module loading, request deduplication, and React Compiler optimizations.</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 security and accuracy by applying Sentry integration with hidden sourcemaps.</li><li>Established a type-safe API integration workflow using Swagger TypeScript API to improve developer productivity and backend consistency.</li><li>Enhanced user experience by implementing client-side timeout handling and refetch strategies during BFF delays and gateway timeout scenarios.</li><li>Implemented 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>Implemented the customer inquiry page with requirement-driven UI improvements.</li><li>Improved mobile UI stability through cross-device testing.</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 applied Jotai for state management.</li><li>Integrated multiple BFF and backend APIs to support core features and ensure maintainable service interactions.</li></ul>	

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## PERSONAL PROJECTS

**Personal Portfolio & Tech Blog - [ryanch0.dev](http://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.

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## SKILLS

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

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## 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