

# 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
	<b>Naver Financial - Employee Welfare Platform (Frontend Lead)</b>	
	<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% and improved performance through lazy loading, dynamic module loading, and request deduplication.</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>• Enhanced development efficiency and API reliability by introducing a standardized, type-safe API integration workflow, reducing integration errors and improving backend data consistency.</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>• 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>	
PERSONAL PROJECTS	<b>Personal Portfolio &amp; Tech Blog - <a href="https://ryanch0.dev">ryanch0.dev</a></b>	
	<i>Oct 2025 – Nov 2025</i>	
	<ul style="list-style-type: none"><li>• Built a full-stack personal blog using Next.js 15 (App Router) and Supabase for authentication, storage, and database management.</li><li>• Handled login and post creation logic on the server using Next.js Server Actions.</li><li>• Adopted a static-first rendering strategy with on-demand revalidation using revalidatePath to balance performance and content freshness.</li><li>• Implemented a custom Markdown editor and renderer based on MDX.</li><li>• Built a Tailwind CSS-based design system and improved UI details.</li><li>• Implemented protected route handling and server-side auth verification using Next.js Middleware.</li><li>• Enhanced login security by integrating CAPTCHA and applying Redis-based IP rate limiting to block bot and brute-force attacks.</li><li>• Built an i18n locale management structure and improved routing by integrating it with Middleware.</li><li>• Optimized asynchronous rendering and loading flows using Suspense to reduce UX delays.</li></ul>	
SKILLS	TypeScript, React, Next.js, React Query, Jotai, React Hook Form, Zod, Tailwind CSS, Storybook, Git	

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