

Ryan Cho, Frontend Engineer

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PROFILE

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

Work Authorization: Eligible to work in Canada without sponsorship

PROFESSIONAL CAREER

Oct 2024 — Present	Frontend Engineer, Zium Knowledge Service	Seongnam
	Client: 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, establishing clear routing and responsibility boundaries across the applicationDesigned end-to-end authentication and domain-level error-handling between the BFF and frontend by introducing a class-based error handling system and separating route-level decisions from client-side data fetching using React QueryImproved production performance and operational reliability by reducing bundle size by 30% through dynamic imports and lazy loading, optimizing asset delivery, and configuring hidden source maps to eliminate unnecessary monitoring traffic while preserving accurate stack tracesImproved 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 strengthening backend contract confidenceContributed to implementing a Canary dark-release deployment strategy to replace the legacy Blue/Green process, enabling stable QA validation and progressive rollouts	
	Client: Naver Financial - Customer Inquiry Portal (Sub Project)	<i>Oct 2024 – Jan 2025</i>
	<ul style="list-style-type: none">Built customer-facing inquiry pages with requirement-driven UI improvements, focusing on usability and clarityImproved mobile UI stability through cross-device testing and layout refinements	
	Client: Naver Financial - Internal Admin Dashboard (Sub Project)	<i>Apr 2024 – Jun 2025</i>
	<ul style="list-style-type: none">Developed internal admin dashboards using React and managed complex UI state with JotaiIntegrated multiple BFF and backend APIs to support core workflows and maintain clear service boundaries	

PROJECTS

	Personal Portfolio & Tech Blog-ryanch0.dev	<i>Oct 2025 – Nov 2025</i>
	<ul style="list-style-type: none">Built a full-stack personal blog using Next.js (App Router) and Supabase for authentication, storage, and database managementImplemented server-side logic using Server Actions and adopted static-first rendering with on-demand revalidationEnhanced login security by integrating CAPTCHA and applying Redis-based IP rate limiting to block bot and brute-force attacks	
	SimpleConvert – Offline (App Store)	<i>Jul 2025 – Aug 2025</i>
	<ul style="list-style-type: none">Built and shipped a lightweight offline file conversion app using on-device processing only, with no backend dependenciesDesigned the product around privacy and network independence, taking full ownership from development to App Store release	

SKILLS

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

Tooling: HTML, CSS, SCSS, Vite, Git

DevOps & Monitoring (Working Knowledge): Docker, Kubernetes (internal orchestration, CI/CD), Grafana

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