

Ryan Cho, Frontend Engineer

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PROFILE	<div>Location: Suwon, Korea (Relocating to Vancouver, BC on Mar 18, 2026)</div> <div>Work Authorization: Eligible to work in Canada without sponsorship</div>	
PROFESSIONAL CAREER		
Oct 2024 — Present	<div>Frontend Engineer, Zium Knowledge Service</div> <div>Client: Naver Financial - Employee Welfare Platform (Frontend Lead)</div> <div><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</div> <div>Client: Naver Financial - Customer Inquiry Portal (Sub Project)</div> <div><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</div> <div>Client: Naver Financial - Internal Admin Dashboard (Sub Project)</div> <div><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</div>	<div>Seongnam</div> <div>Jan 2025 – Present</div>
PROJECTS	<div>Personal Portfolio & Tech Blog-ryanch0.dev</div> <div><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</div> <div>SimpleConvert – Offline (App Store)</div> <div><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</div>	<div>Oct 2025 – Nov 2025</div> <div>Jul 2025 – Aug 2025</div>
SKILLS	<div>Frontend: TypeScript, JavaScript, React, Next.js, React Query, React Router, Jotai, React Hook Form, Zod, Tailwind CSS, Storybook</div> <div>Tooling: HTML, CSS, SCSS, Vite, Git</div> <div>DevOps & Monitoring (Working Knowledge): Docker, Kubernetes (internal orchestration, CI/CD), Grafana</div>	
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