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

Naver Financial - Employee Welfare Platform (Frontend Lead)

Jan 2025 – Present

- Led frontend architecture design and implementation using React Router Data APIs for a scalable Single Page Application.
- Designed a custom error handling framework between BFF and frontend, enabling contextual, modal, and page-level recovery aligned with UX requirements.
- Improved application performance through lazy loading, request deduplication, and optimized React compiler usage.
- Developed complex validation workflows with React Hook Form and Zod, including file signature verification for secure uploads.
- Enhanced production observability and security with Sentry integration and hidden sourcemaps via Vite build pipelines.
- Automated API type generation with Swagger TypeScript API, improving developer productivity and backend integration consistency.
- Reduced production bundle size by 30% through dynamic imports, excluding mock and development-only modules.
- Introduced Canary dark-release deployment strategy for safer QA and progressive rollouts, replacing legacy Blue/Green approach.

Naver Financial - Customer Inquiry Portal (Frontend Development, Sub Project)

Oct 2024 – Jan 2025

- Built the customer inquiry page and customized the Ant Design DatePicker component to meet business requirements.
- Conducted cross-device testing using Android Studio and Xcode to resolve layout, scroll, and event bubbling issues.

Naver Financial - Internal Admin Dashboard (Frontend Development, Sub Project)

Apr 2024 – Jun 2025

- Contributed to two internal admin dashboards using React and Jotai for state management.
- Integrated multiple backend and BFF APIs to ensure seamless synchronization and data consistency.

PERSONAL PROJECTS

Personal Portfolio & Tech Blog - 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.
- Leveraged Next.js Server Actions to handle user authentication and post creation securely without exposing client-side API routes.
- Implemented a custom Markdown editor and renderer (MDX-based) to support rich content authoring.
- Designed and developed a minimal design system using Tailwind CSS for consistent typography, spacing, and component styles.
- Utilized Next.js Middleware to handle protected routes and enforce authentication on server side.
- Enhanced login security by integrating CAPTCHA to block automated bot attacks and implementing Redis-backed IP rate limiting to mitigate brute-force attempts.

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

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