Nayoung Kim

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SUMMARY

My foundation is in frontend (React, TypeScript, design systems), but I've deliberately expanded into backend services, build tooling, and LLM-powered features. I enjoy building developer-facing tools and making data-driven architecture decisions.

EXPERIENCE

Frontend Engineer Intern | TechLabs(Eigene Korea) – AI Division   Mar 2024 – Jun 2024
- Built an admin dashboard visualizing service performance metrics (click/session analytics, revenue, conversion rates) using interactive charts and tables
- Developed reusable chart components with a focus on developer experience, reducing duplicated visualization code across the team
- Migrated legacy codebase from Node 14 / Webpack (CJS) / React 16 to Node 20 / Vite (ESM) / React 18, cutting install time by **80%** and project size by **50%**

PROJECTS

hanna-dev.co.kr | Personal Tech Blog & AI Portfolio – Astro 5, React, TypeScript, vercel/ai-sdk   Jan 2025 – Present
- Built a bilingual (KO/EN) AI search assistant with Gemini API streaming chat, designed as an interactive portfolio for recruiters to explore technical experience through natural language
- Developed a **36-query evaluation framework** comparing 3 retrieval strategies (chunked RAG, document-level RAG, MiniSearch); data-driven analysis led to selecting document-level embedding, achieving **97% Hit Rate@5** and **+21% MRR** improvement over keyword search
- Implemented a prebuild embedding pipeline (Gemini embedding-001) with Supabase observability for query logging and latency monitoring (p50 **0.6ms**)
- Engineered locale-aware retrieval with cosine similarity ranking and keyword fallback, supporting KO/EN content routing with source-grounded citations to prevent hallucination

Stock Condition Analysis | Capstone Design Project – Next.js, TypeScript   Mar 2025 – Jun 2025
- Designed a real-time stock analysis dashboard integrating live market data with AI-driven news sentiment analysis
- Implemented real-time price charts and technical indicator visualizations using Next.js and SWR with optimized caching strategies
- Integrated LangChain + Ollama (sLM) pipeline for news sentiment scoring displayed alongside financial data

Yourssu Design System (YDS) | React Component Library – React, TypeScript, Storybook   Mar 2023 – Jul 2025
- Built and maintained a shared React component library (BoxButton, CheckBox, TextField, ListItem, etc.) ensuring design consistency across multiple services
- Developed polymorphic components using forwardRef and HTML attribute extension for flexible, type-safe composition
- Automated Storybook version-based deployment and NPM publishing via GitHub Actions and AWS S3 Bucket Versioning
- Optimized font loading asynchronously using webfontloader; migrated package manager from Yarn Classic to pnpm

Yrano Monorepo | Shared Package Ecosystem – React, TypeScript, Monorepo   Mar 2023 – Jul 2025
- Architected a Turborepo-based monorepo for shared TypeScript/JavaScript packages (@yourssu/logging-system, @yourssu/utils, @yourssu/react)
- Designed a privacy-conscious logging system that tracks user behavior without personally identifiable information

All:Chive | Archiving App (CMC) – React Native, TypeScript   Jun 2023 – Aug 2023
- Developed a cross-platform archiving app ranking **#94 in App Store Productivity** and **#1 Trending on Disquiet**
- Implemented content upload, tag management, category filtering, and in-app browser features with React Native

OPEN SOURCE CONTRIBUTIONS

- **toss/es-toolkit** – Added AbortSignal support for debounce and delay functions (#45, #52)
- **TanStack/query** – Fixed documentation issues in react-algolia integration (#7207)
- **reactjs/ko.react.dev** – Contributed Korean translation for React version docs (#919)
- **storybookjs/storybook** – Reported and documented a confirmed bug (#26591)

SKILLS

- **Frontend:** React, Next.js, TypeScript, Styled Components, Tailwind CSS, Storybook, TanStack Query, SWR, Vite, Vitest
- **Others:** Node.js, Spring, FastAPI, LangChain, AWS, Docker, GitHub Actions

EDUCATION & ACTIVITIES

Soongsil University | B.S. in Software   Mar 2021 – Feb 2026
- Google Developer Student Club – Web/Mobile Part member; led English article study and weekly tech sessions
- Speaker: *SEO/GEO Optimization* (Woori FIS Academy), *Next.js Hydration* (CMC), *DX-Focused Development* (GDSC)