

DAVID J SONG | FULL-STACK SOFTWARE ENGINEER

US & Republic of Korea Citizen | [Portfolio](#) | [LinkedIn](#) | [Github](#) | Email: david.jh.song@gmail.com

Problem Solving Software Engineer with 3+ yrs of Experience with TypeScript and React and Next.js

EDUCATION

New York University - Class of 2025 (Dean's List)

- Bachelor of Science - Information Systems Management - GPA 3.73 / 4.00
 - Relevant Courseworks - Cloud Computing with Azure, Project Management, Database Design using SQL, Web Development, Data Structure and Algorithms, Computer Science
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PROJECTS

Fiterview (AI Mock Interview) | [Github](#) [Service](#)

- Built an end-to-end **AI** mock-interview workflow to help users practice on job-specific questions by parsing a resume and job post, running an interview flow, and returning **AI** feedback in a **Next.js** (App Router) app.
- Architected a **clean architecture** and a modular **TypeScript** stack to improve maintainability and feature velocity by enforcing clean boundaries (app/, backend/, prisma/, lib/, stores/, hooks/) and integrating **NextAuth** and **Prisma**.
- Collaborated with a small team to keep the codebase stable and ship iteratively by driving work through **issues/PRs**, resolving **UI/API** bugs, and aligning on feature scope during ongoing development.
- Optimized and troubleshooted integration of multiple **LLM model API** calls to streamline program execution and reduce latency by 30%, within a real-time **automation pipeline**.

ONNS (Outfit Social Network) | [Github](#) [Service](#)

- Designed project **layout** and **wireframes** in **Figma** to provide clear architectural guidance and accelerate development, resulting in a streamlined, **agile** implementation across the team.
 - Developed a responsive, type-safe frontend with **Next.js**, **TypeScript**, **Tailwind CSS**, and **Zustand** to enhance user experience and maintainability by seamlessly managing session and feels-like filters and social-login state.
 - Architected and implemented a scalable backend using **Clean Architecture**, **Next.js API routes**, **Supabase** (Database, Realtime, Storage) and **Axios** to ensure reliable **authentication** and **CRUD** operations, enabling **RESTful**, real-time data integration for posts and comments.
 - Established a robust **Git workflow** with **pull requests**, **branch separation**, and **peer reviews** to improve code quality and team efficiency by detecting and resolving errors **before merging into the develop branch**.
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EXPERIENCE

Full-Stack Software Engineer | Self-Employed | Mar 2024 ~ Current

- Engineered a **full-stack** back-office **SPA** with **React**, **TypeScript**, **Node.js**, and **Zustand**, integrating custom **JavaScript** algorithms to generate client-specific content and automate daily workflows, reducing manual task completion time by **67%** and increasing daily operational productivity by over **200%**.
- Developed and deployed a **Node.js** and **Express** backend that seamlessly integrated a third-party **REST API** to automate the delivery of electronic documents, streamlining client workflows.
- Streamlined the workflow by utilizing **Git branches** and **merges** and utilized **Github Actions** for **CI/CD**.

Frontend Software Engineer | Bridge | Intern | Aug 2023 ~ Dec 2023

- Revamped UI for a website using **HTML**, **CSS**, and **JavaScript** based on client requests to create a cleaner, more intuitive design to **maximize business outcomes**, resulting in an increase of 23% in customer retention.

- Built interactive features such as modals and responsive designs using **JavaScript**, enhancing user engagement and site usability, resulting in **a 35% increase** in customer inquiries.
 - Refactored legacy code by converting it into **ES6+ syntax** and enforcing commenting and style guidelines to improve readability and maintainability.
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SKILLS

Programming Languages

- HTML, CSS, JavaScript, TypeScript, SQL, Git

Frameworks & Libraries

- React, Next.js, Tailwind CSS, PostgreSQL, Axios, Tanstack Query, Zustand, Github Actions

Other

- Prisma, Figma, Microsoft Azure, Supabase