DAVID J SONG | FULL-STACK SOFTWARE ENGINEER

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With 3+ yrs of Experience with TypeScript and React and Next.js and Backend Skills

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**.

- Leveraged **Supabase Storage buckets** for image delivery and implemented **lazy loading** for page **optimization** to reduce load time by ~40 %, improving perceived performance and user engagement.

- Deployed via **Vercel** to streamline **Next.js deployment workflows** and **version contro**l, enabling **preview** vs. **production environments** and reducing staging setup time by 20%.

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.

- Participate daily with the team in standup **meetings** to **communicate** and **collaborate** by sharing what was done yesterday, what will be done today, surface any difficulty, and offer or request help as needed.

- 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.

PROJECTS

Fiterview [Group Project] (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 [Group Project] (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 season 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**.

Ticker Price Checker | Github

- Implemented **backend endpoints** with **Node.js** and **Express**, structured for scalability and clean separation of concerns.

- Defined service contracts with **Protobuf** and utilized **ConnectRPC** to enable strongly typed **API** communication between **client** and **server**.

- Built responsive **React** UI components with **Zustand** for predictable state management and clear data flow.

- Configured **Playwright** for end-to-end **testing** to ensure reliability across user workflows and **API** integrations.

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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SKILLS

Programming Languages

- TypeScript, JavaScript, Node.js , HTML, CSS, SQL, Git

Frameworks & Libraries

- React, Next.js, PostgreSQL, Tanstack Query (React Query), Zustand, Express, Jest, Playwright, Tailwind CSS, Axios, Github Actions

Other

- Prisma, Figma, Microsoft Azure, Supabase