Wonkyu Lee / Frontend Developer

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LANGUAGES & TECHNOLOGIES

React, TypeScript, JavaScript, HTML5, CSS3, Tailwind, Node.js, Next.js, Astro, Vite, Firebase, Postgres, GraphQL, Jest

PROFESSIONAL EXPERIENCE

The Boston Globe / Frontend Developer (contract) / globe.com/align   May 2025 - Present
Lead developer for all Games related development. Next.js, React, Tailwind, Firebase, GSAP.

- Delivered last-minute showcase mode in 10 days for an offline tournament, resulting in a 10% increase in users.
- Reduced redundant Firebase calls by 80% by refactoring legacy functions to cache data in a custom hook.
- Identified and fixed critical bug creating duplicate game entries by implementing validation checks and automatic cleanup, reducing database entries created per user by up to 95% in some cases.
- Developed admin dashboard with Firebase integration to upload, view, and edit all puzzles in the database.
- Enhanced UX by building GSAP animations for game interactions, adding visual feedback for state transitions.
- Improved code maintainability by refactoring monolithic components into small, reusable hooks and functions.
- Collaborated with product management in sprints to prioritize improvements and establish best practices.

Notesmith / Founder, Full Stack Developer / notesmithbooks.com   January 2023 - August 2024
Built production JAM-stack e-commerce platform. Gatsby.js, React, Styled Components, GraphQL, Firebase, Stripe.

- Designed and built responsive and accessible frontend, achieving 90+ PageSpeed performance scores.
- Architected serverless backend with 15+ Node functions including custom Stripe Checkout, TaxJar and EasyPost API integrations, transactional email workflows (SendGrid), and server-side cart validation.
- Optimized performance and costs by refactoring database schema, reducing Firebase storage by 95%.
- Implemented code-splitting, lazy loading, and code clean-up to improve landing page load times by 50%.
- Built complex SVG-based product configurator UI using React and web API's.

Office Hours / Frontend Developer / officehours.com   August 2019 - December 2019
First engineer at an early stage startup building MVP product. React, CSS, Sass, Figma.

- Developed application pages from Figma mockups including responsive dashboard and onboarding screens.
- Integrated frontend components with RESTful APIs for user authentication and data management.
- Designed multiple frontend views like landing page, dashboards, and user signup flow in Figma.
- Built reusable and accessible React component library with 20+ components.

DomaHub / Co-founder, Frontend Developer / domahub.onrender.com   July 2016 - April 2019
Co-founded a SaaS platform for managing domain name portfolios. EJS, JavaScript, jQuery, CSS, Sass, Node.js.

- Scaled platform from MVP to successful acquisition, growing to 1,000+ accounts managing 10,000+ domains.
- Architected scalable frontend using EJS, jQuery, and Sass and owned the entire UI / UX implementation.
- Developed custom utility-based CSS framework for modular, reusable components (predating Tailwind CSS).
- Built core product features including user dashboards, analytics views, and landing pages across 3-year lifecycle.
- Created a cohesive design and color system for consistent brand identity across all frontend views.

PROJECTS

sqnces.com / Creator, Full Stack Developer / sqnces.com   August 2024 - Present
Developed full-stack original word game with 200+ daily users. Next.js, TypeScript, tRPC, Radix UI, Postgres, Prisma.

grammble.com / Creator, Full Stack Developer / WIP   August 2024 - Present
Developing full-stack original word game. TanStack Start, React Query, Headless UI, Tailwind, Postgres, Prisma.

EDUCATION

University of Notre Dame / B.A. Economics, B.A. Sociology   Class of 2015
Stuyvesant High School   Class of 2011