Sungmin Lee | Software Engineer

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SUMMARY

Fullstack software engineer with 3+ years of experience building scalable web applications using React, Next.js, Node, and TypeScript. Proven track record of shipping production features, collaborating with stakeholders, and leading triage and architecture discussions in startup environments. Comfortable working across the stack—from frontend UI components to serverless APIs deployed on AWS and Azure.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python
Frontend: React, Next.js, Redux, Tailwind CSS, MUI
Backend: Node.js, Express, Django, Flask
Databases: PostgreSQL, SQLite, Firebase, Supabase
DevOps & Cloud: AWS,, Azure Functions, Docker
Testing: React Testing Library, Jest, Pytest
Other: RESTful APIs, WebSockets, Git/GitHub, Git Flow

PROFESSIONAL EXPERIENCE

Arkane Digital | Associate Developer | *2024-Present*
- Built modular, production-grade components using Next.js and TypeScript, reducing UI code redundancy.
- Developed scalable serverless APIs with Azure Functions, boosting payload handling and client-backend integration.
- Led technical triage, defined architecture direction, and prioritized feature development in a fast-paced startup.
- Designed and implemented a scalable roles and permissions system to support fine-grained access control across multiple product areas.
- Collaborated directly with stakeholders to address bugs, update styles, and implement usability improvements.
- Presented biweekly sprint demos to business stakeholders, clearly communicating story outcomes and technical rationale.

Good Work Hub | Software Developer | *2023-2024*
- Developed a reusable form system that improved internal workflows for client companies and grant applications.
- Acted as Scrum Master: led standups, retros, code reviews, and supported teammates with deployments.
- Designed and implemented robust CRUD systems to expand product functionality and user engagement.
- Established unified testing protocols, enhancing software reliability and lowering bug rates.
- Contributed to the early-stage grant-matching system for $50B+ in funding, using AWS Lambda and EventBridge.
- Developed a role-based permissions system to strengthen app security and user access control.
- Refactored project structure to improve maintainability and developer onboarding speed.

Echo Web LLC | Frontend Engineer | *2023*
- Collaborated with developers and designers to deliver responsive, accessible client websites under tight deadlines.
- Used Tailwind CSS to streamline styling and ensure consistent, mobile-first design standards.

Amabile School of Music | Music Teacher | *2019-Present*
- Taught and mentored 50+ students in music performance and theory.
- Designed customized lesson plans and led group classes to foster collaboration and engagement.

PERSONAL PROJECTS

Calorie Counter – *Next.js, Supabase, TypeScript, Vercel AI SDK*
- Developed a full-stack macro tracking app using Next.js and Supabase for managing daily nutrition goals and food logging.
- Integrated AI-powered food search and image recognition with Vercel AI SDK to enhance user experience and automate food entry.
- Implemented role-based access control with Supabase Row-Level Security to protect user data.
- Designed real-time progress visualizations for macro intake, improving user engagement and goal tracking.

EDUCATION

App Academy, Fullstack Web Development
San Francisco Conservatory of Music, Masters | Music Performance
Eastman School of Music, Bachelors | Music Performance

COURSE COMPLETIONS

React Testing Library and Jest – (Udemy)
Mastering TypeScript – (Udemy)
Build Responsive Real-World Websites with HTML and CSS (Udemy)