Sungmin Lee | Software Engineer

sungminlee417@gmail.com | GitHub | LinkedIn | Portfolio

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
Tools: Git/GitHub, Git Flow

PROFESSIONAL EXPERIENCE

Arkane Digital | Associate Developer | *2024-Present*
- Build 30+ modular, production-grade components using Next.js and TypeScript, reducing UI code redundancy by 40%.
- Migrate backend endpoints from Next.js API routes to Azure Functions, increasing payload capacity by 100x to support large client data uploads without failures.
- Lead technical triage and architecture planning to prioritize and ship 15+ features, including a scalable roles and permissions system supporting fine-grained access control.
- Maintain a less than 48-hour bug resolution time while supporting 3 concurrent stakeholders across evolving product needs.
- Present 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 1000+ client companies and grant applications.
- Acted as Scrum Master for 6 months: led 50+ standups, 10+ retrospectives, and maintained 95% sprint completion rate.
- Designed and implemented robust CRUD systems covering 20+ new features and endpoints.
- Established testing protocols that reduced production bug reports by 60%.
- 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 5+ responsive, accessible client websites under tight deadlines.
- Used Tailwind CSS to streamline styling and ensure consistent, mobile-first design standards.

Amabile School of Music | Part-time 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 – Site Link | GitHub Repo
- 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