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**. Experience with **AI-powered workflows** and **LLM prompt engineering**.

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
CMS / Platforms: Sanity, Decap CMS
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*
- Built **30+ modular, production-grade components** using **Next.js** and **TypeScript**, reducing UI code redundancy by **40%**.
- Migrated backend endpoints from Next.js API routes to **Azure Functions**, increasing payload capacity by **100x** to support large client data uploads without failures.
- Optimized frontend performance by **reducing fetch call loading times by 50%**, improving responsiveness and user experience.
- Led technical triage and architecture planning to prioritize and ship **15+ features**, including a scalable roles and permissions system supporting fine-grained access control.
- Maintained a **<48-hour bug resolution time** while supporting 3 concurrent stakeholders across evolving product needs.
- **Experimented with AI-assisted workflows:** designed prompts for **LLM-powered operations**, including dynamic UDL form generation and automated retry handling.
- Presented biweekly sprint demos to business stakeholders, clearly communicating story outcomes and technical rationale.

Good Work Hub | Senior 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 a **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%**.
- Built and deployed an **AI-powered grant-matching system** leveraging **AWS Lambda** and **EventBridge** to connect applicants with **$50B+ in funding opportunities**.
- Developed a **role-based permissions system** to strengthen app security and user access control.

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**.

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