

LILY LEE

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Software Engineer (New Graduate) – Frontend / Full-Stack Focused

Computer Science graduate with experience building web and mobile platforms using React, React-Native, TypeScript, Node.js, and AWS. Strong foundation in frontend architecture, Domain-Driven Design (DDD), performance optimization, and deployment, with hands-on experience owning features end-to-end in startup environments.

EXPERIENCE

Software Engineer (Founding team) | **GoMAXPAIN**

July 2025 - Present

- Architected the frontend platform using **Domain-Driven Design** (DDD) principles, aligning UI architecture with core business domains and backend APIs through feature-based modules and clear domain boundaries.
- Designed reusable domain-centric components, custom hooks, and shared state abstractions using React, TypeScript (SSR) to improve scalability.
- Improved application performance by migrating from **CSR** to **SSR**, implementing **lazy loading** and persistent authenticated user state, reducing average page load time by ~60% (7s → ~3s).
- Contributed to MVP delivery by collaborating on sprint execution, code reviews, QA/testing, and MSW-based API mocking to enable parallel frontend and backend development.
- Integrated third-party services, including **Google Maps (Places API, markers, weather overlays)**, **Stripe** payments, **OTP & email verification**, and map-based data visualizations; deployed production infrastructure on **AWS**.

Software Developer Intern | **Atom Tech Solutions**

December 2024 - January 2025

- Developed internal client management tools using the MERN stack, collaborating with senior engineers on system design and implementation.
- Implemented RESTful APIs enabling secure admin access and full CRUD operations for client data.
- Built responsive interfaces using React, optimizing data flow and reducing API response latency through query and request optimizations.

Software Developer Intern (Part-time) | **A-Round Entertainment**

December 2023 - May 2024

- Spearheaded a real-time chat feature using Firebase for a cross-platform mobile **Joopi** dating app.
- Coordinated across software development, UI/UX, business, and executive stakeholders, ensuring alignment on priorities, timelines, and MVP launch preparation.

TECHNICAL PROJECTS

Frontend Developer | **Real Estate Proxy Contract Mobile App**

August 2024 - December 2024

- Built a secure real estate proxy contract mobile app using SwiftUI, integrating REST APIs, Apple/Google login, and government ID verification for compliant user onboarding.

Software Engineer | **E-Commerce Project**

June 2024 - July 2024

<https://github.com/mannazo/mannazo-nextjs>

- Launched a full-stack e-commerce platform for travel gear with PortOne payments, Google, Kakao, Apple user authentication integration, and cloud-hosted infrastructure using Next.js and AWS.

TECHNICAL SKILLS

- Languages: JavaScript, TypeScript, Python, Swift, PHP, Java, SQL (PostgreSQL, MongoDB), HTML/CSS
- Frameworks: React, ReactNative, Node.js, Next.js, Django, SwiftUI, FastAPI
- Developer Tools: Docker, AWS, Proxmox, NPM, Firebase, Git

EDUCATION

University of Virginia – B.A Computer Science - GPA: 3.6/4.0

May 2025

- Awards: Echols Scholar | AWS DevOps Bootcamp Certificate | Hackathon 2022 2nd place
- Leadership & Activities: Founder and President of KISO | Treasurer of K-Edge Dance