

## WORK EXPERIENCE

### Playlab AI

#### Senior Software Engineer (Contract)

Remote

February 2024

- Maximized the platform's potential by utilizing generative AI and built new features to enhance functionality and user experience to empower educators, organizations, and students in crafting impactful AI-driven educational tools

### Need Inc

#### Founding Engineer (Seed - Series A)

Los Angeles, CA

June 2022 - February 2024

- Launched an innovative cancer protection mobile app of 210,000+ users offering healthy, treatment, and survivor modules for policyholders from Hanwha Life Insurance, a major Korean cancer insurance partnership
- Implemented pixel-perfect core features within a clean architectural pattern for a medical multidisciplinary web platform, connects 400+ clinicians worldwide on a global scale, facilitating optimal cancer outcomes through a scalable and distributed environment
- Managed a company internal tool web app for operations, ensuring streamlined hospitals, clinicians, and policyholders management
- Built a tailored Role-based Access Control (RBAC) management system to enhance security by regulating access for authorized users

### StudioMate

#### Software Engineer

Seoul, Korea

December 2020 - July 2021

- As one of 3 engineers, built a hybrid mobile app by migrating from legacy Android/iOS native code to a modern architectural codebase using React Native and launched the new version of the product in the market with newly defined UI and UX
- Enhanced a mobile-based real-time reservation system for 2,000,000+ studios and 1,200,000+ users (Monthly reservation 4,500,000+)
- Upgraded the official website to another level for studio owners for better brand awareness and marketing promotion

### HUIINNO

#### Frontend Software Engineer

Seoul, Korea

June 2020 - November 2020

- Led a project on building a new version of a clinical web app for medical staff from start to finish featuring ECG (Electrocardiography) measurement monitoring, AI-based ECG analysis result diagnosis, and efficient patient management. Demonstrating the product attracted to investment of 50 million dollars from an investor, Yuhan Corporation, a Korean major pharmaceutical and chemical company
- Collaborated with clinical technologist, product and designers to ensure implementation of the requirements and features are met, and engineering team to connect with backend works as leading the core project

### FOREVER21

#### Application Developer

Los Angeles, CA

June 2019 - March 2020

- Implemented a fundamental relational data model for e-commerce promotion and collaboration works with other partner brands
- Analyzed and evaluated the company's internal tool, and solved technical issues in the system with enhanced fulfillment processes
- Daily updated photos, banners, images, and text content on Europe, Mexico, Canada, Korea, and UK official websites

### TALK Schools

#### Enrollment Specialist at Global Sales Team

Boston, MA

December 2017 - July 2018

- Admissions for international students with general information and promotions for students' enrollment and promoted overseas sales to businesses and marketing promotions that led to increased sales with 300+ customer inquiries

## PROJECTS

### Lines

#### Founder · Engineering

Los Angeles, CA

June 2023 - Present

- Building an aesthetic mobile app dedicated to fostering mental health and wellness through the power of journaling

### KoreanPocket

#### Founder · Engineering

Cambridge, MA

August 2017 - September 2019

- Started from ideation to product completion of a user-friendly language learning mobile app by designing the wireframe layout to start
- Managed development, prioritizing UX and the software life cycle, leading to a successful market launch with 200+ active users

### Stipop (YC S21)

#### Founding Engineer

Seoul, Korea

July 2016 - August 2016

- Designed the founding architecture of data models for core features, wrote the majority of SQL queries to create databases and generated migrations for better data ingestion and operations

## SKILLS

TypeScript · JavaScript · React · React Native · GraphQL · Golang · PostgreSQL · Android · iOS · Java · XML · C++ · C# · C · .NET · SQL · Docker · GCP · HTML · CSS · EJS · Node.js · GitHub · MFC · RBAC (Role based Access Control) · Redux · React Query · Zustand · Angular · Heroku · Figma · Google Firebase · Google BigQuery · RudderStack · Pulumi · Elasticsearch · REST API · Tailwind CSS · Remix · Prisma

## EDUCATION

### Sungshin Women's University

Bachelor of Engineering in Computer Science

Seoul, Korea