임지훈

CTO / Co-Founder

Seoul, South Korea | LinkedIn | toss.im

Software engineer with 5+ years of experience building high-performance web products and developer tooling. Co-founder and CTO of Student Machines, with a background spanning fintech, design tooling, and developer experience.

Experience

Founding Engineer Jun 2026 — Present
Pensive *San Francisco Bay Area*

Founder Sep 2025 — Mar 2026
Stealth *Seoul, South Korea*

CTO / Co-Founder Aug 2025 — Present
Student Machines *San Francisco, CA / Seoul, South Korea*
Co-founding and leading technical direction for an early-stage startup building developer tooling and web products.

Frontend UX Engineer Dec 2021 — Aug 2025
Viva Republica (Toss) *Seoul, South Korea*
Built DEUS, a DOM-based design editor, and led technical architecture across design components, UI systems, and code generation. Developed use-funnel, an internal library adopted by 100+ engineers that became the open-source @toss/use-funnel. Shipped multiple web products including Homeloan Silo for mortgage comparison and lending, Toss News, and seasonal donation features.

Frontend Engineering Lead Jun 2020 — Dec 2021
지엔터프라이즈(비즈넵) *Seoul, South Korea*
Led the Web Frontend Chapter, establishing technical standards and overseeing migration from Angular to React. Introduced Micro-Frontends Architecture using Webpack 5 Module Federation, reducing build times and operational costs. Developed and maintained products with Angular, Ionic 5, RxJS, and GraphQL.

Education

Chung-Ang University Mar 2019 — Mar 2027
학사 *in* 소프트웨어학부
GPA: 3.97/4.5. Admitted as top student in the early admissions process.

Projects

DOM-based design editor replacing legacy Framer tooling, DEUS
Built and led technical decision-making for a production design editor handling design components, prototypes, UI architecture, migration scripts, canvas rendering, ESM resolution, and streaming JSON. Rebuilt the Code Generator that transforms designs into production-ready React, iOS, and Android code.

Internal frontend library for building and managing application flows, use-funnel
Built and released as open-source @toss/use-funnel. Simplifies building and managing application flows across the organization.

Web product for mortgage comparison and lending, Homeloan Silo
Developed web product enabling users to compare mortgage interest rates and terms across financial institutions and apply for loans directly.

Webpack 5 Module Federation implementation, Micro-Frontends Architecture
Introduced Micro-Frontends Architecture using Webpack 5 Module Federation across web products. Presented findings at FEConf 2021.

Machine learning-based learning platform, Collaborative Learning Web Application
Developed a machine learning-based collaborative learning web application using TensorFlow.js and WebSocket to analyze user engagement and evaluate learning effectiveness.

Skills

JavaScript · React · Angular · React.js · TypeScript · 반응형 웹 디자인 · 자바스크립트 · HTML5 · Git · Java · C · Next.js · MobX · Recoil · XState · Ionic 5 · RxJS · Webpack · Rollup · ESBuild · Webpack 5 Module Federation · GraphQL · WebSocket · TensorFlow.js · Design Tooling · Code Generation · Micro-Frontends · Web Architecture