Dahye Ko

Web Frontend Engineer

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`01`

A web frontend engineer with experience building products 0→1 at early-stage startups. Services I have built include an AI-powered video generation and editing tool, and an AI model viewer and editor.

`02`

Cutib

Aug 2025 – Present   CPO / Web Frontend Engineer
Oct 2024 – Jun 2025   Web Frontend Engineer

Built the frontend 0→1 for a web video editor that generates scenarios and assets with AI, enabling cut-level editing.

— Resolved low frame seeking precision of the native browser video player by designing a WebCodecs API-based frame decoding pipeline, stabilizing frame seek speed from 2,781ms to 1,003ms

— Eliminated playback delay when transitioning between separate video sources per cut by introducing 3-slot video pooling, reducing cut transition delay from 2,780ms to 1,329ms

— Resolved playback stutter caused by growing images and audio on the timeline by introducing viewport-based virtualization

— Abstracted all editing actions into typed command objects — extensible architecture ready for AI agent editing

React   Next.js   TypeScript   Zustand   TanStack Query   Web Audio API   WebCodecs   Canvas API
WebSocket

Clika

Aug 2023 – Sep 2024   Web Frontend Engineer
Oct 2022 – Jun 2023   Web Frontend Engineer

Built the frontend for an AI model viewer and editor for ML engineers.

— Resolved main thread blocking caused by large-scale graph layout computation by offloading to a Web Worker

React   Next.js   TypeScript   Zustand   SWR   MUI   reactflow

Angelswing

Aug 2021 – Jun 2022   Web Frontend Engineer

Frontend development for a construction site management service that visualizes drone footage as 2D/3D maps.

React   TypeScript   Redux Toolkit   styled-components   OpenLayers   Cesium

03

4th Korea Data Journalism Award

2021.10 | Visualization of the Year — [소멸의 땅, 지방은 어떻게 사라지나](#)

04

KAIST

2017 – 2019 | M.S. in Culture Technology

Korea University

2011 – 2017 | B.S. in Environmental Science and Ecological Engineering