

Jason Yang

Software Engineer

San Francisco, CA, jasonxuyang@gmail.com, 6783131887

Senior software engineer building AI-powered creative tools and complex web applications.

Employment history

Senior Software Engineer, Oct 2024 – Present

VideoGen, San Francisco, CA

- Second engineering hire at a YC-backed AI video startup; built the browser-based video editor from **0** → **1**, including the timeline, canvas, media management system, and editing workflows, reaching feature parity with established web video editors.
- Architected the platform's credit billing system, designing an idempotent ledger, Stripe payment flows, automatic top-ups, and usage metering for non-deterministic AI generation workflows..
- Led the migration from Firebase to Supabase, designing the multi-tenant architecture, row-level security, and zero-downtime migration for **4M+ users** and tens of millions of records.
- Built core editor infrastructure including timeline virtualization, rich-text editing, undo/redo, snapping, and multi-asset editing for long-form projects.
- Owned the export and rendering pipeline, improving caption rendering, frame accuracy, preview reliability, and observability across Remotion and Mux.

Software Engineer II, Jan 2024 – Oct 2024

Kapwing, San Francisco, CA

Software Engineer I, Jan 2023 – Jan 2024

Kapwing, San Francisco, CA

- Built AI-powered editing workflows for Repurpose Studio, enabling creators to transform long-form videos into short-form content.
- Developed an in-editor AI chat experience that enabled end-to-end video creation without leaving the editor.
- Refactored the timeline architecture to support complex multi-asset editing while improving maintainability and extensibility.
- Improved AI video processing performance by **6×**, reducing processing time from a one minute clip from **3 minutes to 30 seconds**.
- Built a Brandfetch-powered onboarding experience that automatically generated branded assets, increasing qualified-user conversion by **12%**.

Skills

Typescript, React, Tailwind, Redux, Zustand, NodeJS, Supabase, MongoDB, Docker, Github Actions, Jest, HTML, CSS, Figma

Education

Aug 2017 – May 2023

Georgia Institute of Technology, Atlanta, GA

Bachelor of Science, Computational Media

Graduated with Honors

Links

LinkedIn: [linkedin.com](https://www.linkedin.com/in/jasonxuyang), Github: [github.com](https://github.com/jasonxuyang), Website: jasonxuyang.com