

TYLER APSLEY

Software Engineer

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Professional Summary

Software Engineer with 8+ years of experience building and shipping web and interactive applications. Experienced in React, TypeScript, JavaScript, and cloud-integrated workflows. Strong track record partnering with design, QA, and product teams to deliver reusable, high-quality features with fast iteration cycles.

Selected projects and live demos: <https://www.tapsley.space>

Experience

Imagine Learning — Software Engineer

Jan 2019 – Sept 2025

- Supported and enhanced an internal Digital Asset Management web platform with React and AWS-integrated services.
- Implemented universal login flow logic, including token parsing and user routing across web applications.
- Built reusable Unity tooling/components in C# used across multiple gameplay systems.
- Collaborated with designers to implement storyboarded experiences and improve technical feasibility.
- Led live review demos, gathered cross-functional feedback, and iterated quickly from prototype to production.
- Shipped and deployed Unity applications across iOS, Amazon, Google Play, and WebGL.
- Expanded product support to 5 additional languages across frontend and backend systems.

Brigham Young University (Learning Suite) — Front End Web Developer

Mar 2016 – Mar 2019

- Extended a large legacy web codebase and contributed to a major Learning Suite file system overhaul.
- Built new exam question types and user-facing features with HTML, CSS/SASS, PHP, and JavaScript.
- Partnered with regression testers to identify and resolve defects in complex systems.
- Implemented designer-specified pages and delivered scalable solutions to product requirements.

Selected Projects

Daily Notes (Next.js, React, TypeScript, Prisma, PostgreSQL/SQLite, NextAuth)

- Built a full-stack authenticated notes app with calendar navigation, autosave, and API-backed persistence.

Video Manager + Roku Integration (Next.js APIs, Prisma, PostgreSQL, GCS, worker automation)

- Built a video operations tool for upload and metadata management, including automated thumbnail-processing workflows. Integrated with a Brightscript/Scenegrph Roku app.

Education

Brigham Young University, Provo, UT

Bachelor's degree in Computer Science, April 2019