

CASE STUDY

Ryman Arts pLAtform

Curriculum LMS & Creative-Technology Toolkit

I developed the pLAtform site to serve as an integrated learning platform and creative-technology toolkit for Ryman Arts. Rather than relying on a stock LMS, I built the curriculum site in React / Vite against a strict pLAtform design system so every lesson reads as a single, coherent product. The foundation is a curriculum planner app (React / Vite / Netlify / Supabase) with week-by-week topic pages and built-in IDE prompts that let me extend lessons directly through Cursor, Windsurf, and Claude Code. From there, I converted my Canvas LMS lesson content into self-contained, interactive React components and built a companion suite of Photoshop plug-ins (a perspective-line plugin and a social-media formatter plugin), scripts, tools, and AI-assisted study artifacts. The result is a living, self-authored LMS where the teaching material and the production tools share the same codebase.

— PHOTOSHOP TOOLS & ASSET EXPORTERS

Gradient Sampler

Samples color ramps and exports native .grd gradient files.

BrushFoundry

Procedural brush foundry — eight mark families, exports .abr brush sets.

SwatchForge.jsx

Palette builder with .ase / .gpl / hex export.

Sky Palette Generator

Cinematic sky color sets with .ase export.

Triad Palette Packs

Downloadable .ase palettes, one color set per painting phase.

— REACT.JSX INTERACTIVE & AI ARTIFACTS

Curriculum Planner App

React / Vite / Netlify / Supabase — week-by-week pages with IDE prompts for Cursor, Windsurf, and Claude Code.

Six-Phase Painting Study Tool

Shape delineation → block-out → colorize → light gradients → edge/noise → blend, with final-file export.

Depth Value Study

AI depth mapping via Depth Anything V2.

Interactive Perspective Grid

Live perspective tool with placeable cubes.

Cinematic Lighting Studies

Sphere and material lighting components.

Notan / Threshold Studies

Value-reduction and notan components.

Noise & Pattern Generators

Procedural texture and rock/noise generators.

Layer Basics & Smart Objects

Guided lesson components.

Keyboard Shortcut GIFs

Animated shortcut reference components.