

Portfolio Maker Pro

3D Portfolio Constructor Platform

Modern Web Development Project

November 2025

Project Overview






What is Portfolio Maker Pro?

A modern, feature-rich **web-based portfolio builder** that enables students, professionals, and creatives to design stunning portfolio websites **without writing code**.

Features:

- ✓ Real-time preview
- ✓ Multilingual support (4 languages)
- ✓ 3D visual effects
- ✓ Cloud-based storage

Target Audience

-  **Students:** Showcase academic projects
-  **Developers:** Display coding portfolio
-  **Designers:** Present creative work
-  **Freelancers:** Professional portfolios
-  **Job Seekers:** Stand out in job markets

Key Features

Visual Editor

Drag-and-drop interface with real-time preview. See changes instantly.

Cloud Storage

Projects saved to Strapi backend. Access from anywhere.

Multilingual

Create portfolios in 4 languages: English, Ukrainian, Russian, Polish.

Media Manager

Upload images with automatic optimization and validation.

Responsive

Preview for desktop, tablet, and mobile. Looks great everywhere.

Auto-Save

Changes saved automatically every 500ms. Never lose work.

Benefits for Students

Showcase Academic Projects

Display coursework, research papers, and group projects with rich media. Add descriptions, tags, and links to GitHub repositories.

Career Preparation

Build professional online presence before graduation. Stand out in internship and job applications.

No Technical Barriers

Focus on content and design, not coding. No HTML, CSS, or JavaScript knowledge required.

Free to Use

Open-source project with no subscription fees. Self-host or use free tier. Perfect for students on budget.

Benefits for Professionals

Rapid Deployment

Create and launch professional portfolios in minutes, not days. Perfect for freelancers.

Complete Control

Customize every aspect without coding. Choose layouts, add content, manage multiple projects.

Project Management

Organize multiple portfolio versions. Archive old projects, create new ones seamlessly.

Version Control

Conflict detection prevents data loss when editing from multiple devices.

Global Reach

Technical Architecture

Modern Tech Stack

React 19

TypeScript

Vite 6.4

Tailwind CSS

Three.js

Strapi v5

REST API

SQLite

Frontend Features:

- Component-based architecture
- State management (useReducer)
- Schema-driven dynamic forms
- Debounced autosave system

Backend Features:

- JWT authentication
- RESTful API integration
- Client-side routing
- Real-time preview rendering

Implementation Highlights

Authentication

Secure JWT-based login and registration. Protected routes.

Dashboard

Professional project management with CRUD operations.

Persistent Storage

Full Strapi backend integration with auto-sync.

Image Upload

Direct upload to Strapi with validation (5MB limit).

Schema Forms

Dynamic field rendering based on JSON schemas.

Conflict Detection

Timestamp-based version conflict detection.

Project Statistics & Scope

4

Major Tasks
Completed

15+

React
Components

8

Field Types
Supported

5

Section
Types

4

Languages
Supported

3

Device
Previews

Real-World Use Cases



Software Developer

Scenario: Recent graduate needs portfolio for job interviews.

Solution: Creates portfolio with GitHub links, project descriptions in multiple languages.



Content Writer

Scenario: Writer needs English and Russian portfolio.

Solution: Uses multilingual support for both languages with article links.



Graphic Designer

Scenario: Freelancer wants professional portfolio.

Solution: Uses image upload for thumbnails, organizes work by categories with tags.



Startup Founder

Scenario: Entrepreneur wants product landing page.

Solution: Builds single-page portfolio with features and testimonials.



University Student

Scenario: CS student applying for internships.

Solution: Documents semester projects with



Marketing Specialist

Scenario: Marketer displays campaign results.

Solution: Creates data-driven portfolio with

- ✓ **Easy to Use:** No coding required, intuitive interface
- ✓ **Feature-Rich:** Everything you need in one platform
- ✓ **Professional Results:** Stunning portfolios that impress
- ✓ **Always Accessible:** Cloud-based, work from anywhere
- ✓ **Open Source:** Free to use, customize, and extend