

# 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.

## Multilingual

Create portfolios in 4 languages: En-lish, Ukrainian Polish.

## Responsive

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

## Cloud Storage

Projects saved to Strapi backend. Access from anywhere.

## Media Manager

Upload images with automatic optimization and validation.

## 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