

Senior Design Project

Personal Portfolio Website
By: Sam Peacock

Group Members & Project Advisors

Sam Peacock: peacocsl@mail.uc.edu

Advisor: John Vaskis, former supervisor from Co-Op at Bosch

Abstract

This project documents the design, development, and deployment of a personal portfolio website to serve as a comprehensive showcase of my skills and professional work. Using front end technologies like react, the site prioritizes a clean, responsive design to ensure optimal viewing on any device. Key features include a dynamic project gallery with case studies, an interactive professional timeline, and a functional contact form. The project is version-controlled using Git, demonstrating best practices in modern web development and UI/UX principles.

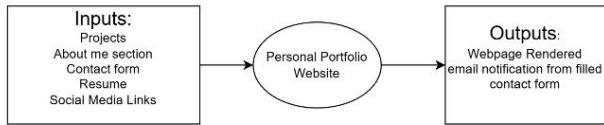


User Stories

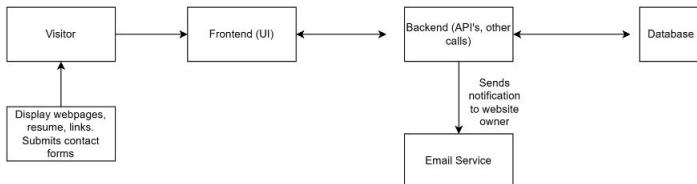
1. As a hiring manager, I want to quickly and easily see the work experience, projects, and other accolades of possible candidates, so that I hire the most suitable applicant
2. As a peer in the industry, I want to easily see all the tools and technologies they have used on their projects, so that I can understand their technical capabilities.
3. As a potential client, I want to find all forms of contact clearly displayed, so that I can easily reach out to ask about my project and request a quote.
4. As a hiring manager, I want to see an about me page, so that I can gauge a sense of their personality and professional background.

Design Diagrams

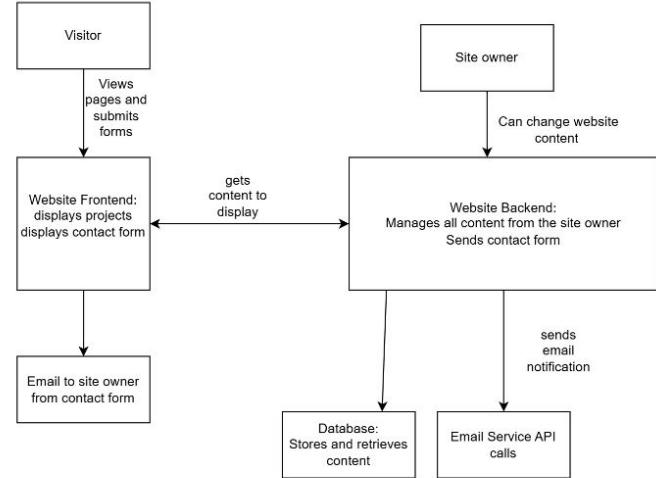
1.



2.



3.



Major Project Constraints

1. Professional Impact

Primary Goal: Serve as a career-building tool; must create a positive and professional public reputation.

High Standard: The website itself is a direct showcase of skills, demanding a highly polished, well-rounded, and functional user experience.

2. Economic Constraints

Budget: Personal project with an essentially zero-dollar budget.

Strategy: Must utilize free hosting platforms, free development tools, and free assets.

Planned Expense: The only planned cost is the purchase of a custom domain name.

3. Legal & Confidentiality

Content Ownership: All content must be original or licensed for free use to prevent property disputes.

NDA Compliance: Must respect all previously signed NDAs from co-op placements.

Challenge: Information must be presented to showcase learned skills without disclosing confidential or proprietary project details.

Current State of Project

- Currently still in the planning phase of the project
- Have been researching other portfolio websites to gain more ideas and possibilities for functionalities
- Deciding on what languages the front and back end should be written in

Expected Accomplishments By End Of Term

- Full sudo code written for project
- Chosen development languages and deployment method
- Research into good web design and other portfolio websites
- Have everything needed to start development finished

Expected Demo

For the Final Demo my plan is to showcase the website in its entirety. People at the expo can go to my website on mobile phones, tablets ect and view my project on their own devices. I will also be showing of a demo myself and do a walkthrough of the website.



Thank You!