Portfolio

Date: 2023 – Present

Technologies utilized: HTML, JavaScript, CSS, PHP, JSON, SEO

My portfolio commenced with a straightforward template crafted by devcrud. Initially, it comprised a static HTML page where I could adjust the sections as needed, filling them with content.

After filling the sections with content, I enhanced the visibility of my portfolio by incorporating SEO strategies and metadata for Open Graph (Facebook) and Twitter Cards. This ensured that the webpage appears optimal when shared on various social media platforms, enhancing its reach and engagement potential.

After several iterations of adding content, I recognized an opportunity for efficiency. Instead of manually duplicating sections each time, I devised a method of storing data in a file and duplicating HTML with the data inserted. Opting for JSON files as databases facilitated this process due to their ease of manipulation and data retrieval. To streamline the rendering process, I transitioned to PHP for backend rendering, leveraging its capability to incorporate each section from dedicated files based on JSON data.

Consequently, I developed an index.php file to extract data from JSON files (one for each category: certificates/projects/skills). For each certificate, skill, or project, I load the data into a local variable and include the corresponding PHP snippet. This approach significantly simplified the addition of new skills, projects, or certificates by merely editing the relevant JSON file and adding accompanying images.

Initially, my portfolio featured two primary sections: Skills and Projects. However, I found the text-heavy layout to be overwhelming. To address this, I refined the design by introducing a Certificates section with accompanying images and replaced textual descriptions of skills with representative icons. Furthermore, I eliminated the projects section entirely, opting instead to implement a feature where clicking on a skill triggers a popup displaying related projects.

The implementation of these changes was notably expedited by the use of JSON files. Had I attempted to achieve the same outcome using only HTML, the process would have been considerably more arduous.