

# Software Requirements Specification

for

**“portfolio”**

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# Introduction

## 1.1 Purpose

The purpose of this document is to outline the software requirements for the development of a developer portfolio website.

## 1.2 Scope

This portfolio is a collection of my work samples, projects, and accomplishments as a developer. It's an important tool that can help you showcase my skills, experience, and creativity to potential employers and clients.

A well-designed and comprehensive developer portfolio can be a valuable asset in your career as a software developer, helping you land new clients, secure job interviews, and build a strong reputation in the industry

## 1.3 Audience

This document is intended for the development team responsible for building the website.

# Functional Requirements

## 2.1 User Registration and Authentication

The website shall allow users to register for an account and authenticate themselves using an email and password.

## 2.2 Profile Management

The website shall allow to manage profile by adding a profile picture, contact information, skills, project and experience.

## 2.3 Home Page

The home page will serve as the main entry point of the website. It will contain the following elements:

A header section with the owner's name, logo, and navigation links to other pages.

A hero section with a background image or video, a welcome message, and a call to action button.

A section displaying the owner's skills, presented as icons or badges.

A section showcasing the owner's latest projects, displayed as thumbnails or cards with brief descriptions and links to project pages.

## **2.4 About Page**

The about page will provide more information about the owner's background, education, and experience. It will contain the following elements:

**A header section with a navigation link to the home page.**

A hero section with a background image or video, the owner's photo, and a brief introduction.

A section displaying the owner's education, presented as a timeline with details.

A section displaying the owner's experience, presented as a timeline with details.

A section displaying the owner's awards, certificates, and achievements, represented as badges or icons.

## **2.5 Projects Page**

The projects page will showcase the owner's work in more detail. It will contain the following elements:

A header section with a navigation link to the home page.

A hero section with a background image or video, a title, and a brief description.

A section displaying the owner's projects, presented as cards with images, titles, descriptions, and links to live demos or [GitHub](#) repositories.

A filtering mechanism to filter projects by category, technology, or date.

## **2.6 Contact Page**

The contact page will enable visitors to contact the owner. It will contain the following elements:

A header section with a navigation link to the home page.

A hero section with a background image or video, a title, and a contact form.

The contact form will include fields for name, email, subject, and message.

A button to submit the form and send an email to the owner's email address.

# Non-Functional Requirements

## 3.1 Performance

The website shall load quickly and respond to user actions within a reasonable time.

## 3.2 Security

The website shall store user data securely and protect user accounts from unauthorized access.

## 3.3 Compatibility

The website shall be compatible with popular web browsers, including Google Chrome, Mozilla Firefox, and Safari.

## 3.4 Accessibility

The website shall be accessible to users with disabilities, including those who use screen readers and other assistive technologies.

# Technical Requirements

## 4.1 Architecture

The website shall be built using a three-tier architecture: presentation layer, application layer, and data layer.

## 4.2 Front-End

The website's front-end shall be built using HTML, CSS, and JavaScript frameworks such as React and Angular.

## 4.3 Back-End

The website's back-end shall be built using a server-side programming language such as Node.js or PHP.

## 4.4 Database

The website shall use a database management system such as MySQL or MongoDB to store user data and project information.

## 4.5 Hosting

The website shall be hosted on a cloud hosting platform such as AWS or Microsoft Azure.

# Constraints

## 5.1 Budget

The development of the website shall not exceed the allocated budget.

## 5.2 Time

The website shall be developed and launched within the given timeline.

# Conclusion

This Software Requirements Specification outlines the functional and non-functional requirements, technical requirements, and constraints for the development of a developer portfolio website. The development team shall use this document as a guideline to ensure that the website meets the client's expectations and requirements.