

High Level Design (HLD)

Personal Portfolio Website

Group Member

Yadnesh Wani

Dnyanesh Bachhav

Sanika Khirit

Document Version Control

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20/07/2022	1.0	Added Introduction and General description	Dnyanesh Bachhav
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29/07/2022	1.2	Created and organized whole document	Yadnesh Wani
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Abstract

A portfolio website is a unique way to showcase your work and let others know about yourself. It's like an evergreen platform for your projects, case studies, and information about you. In addition, it's one of the best ways to express your personality, experience, and capabilities. Having your own website means customers are always able to find you and if interested, reach out for you. If you don't have an online presence nowadays, you are behind the times. A portfolio is a great way for photographers, designers, developers and a wide range of artists to present their work online. It lets you reflect your identity through your works – photos, graphic design, sketches, etc.

Introduction

1. Why this High-Level Design Document?

The purpose of this High-Level Design (HLD) Document is to add the necessary detail to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding and can be used as a reference manual for how the modules interact at a high level.

The HLD will:

- Present all the design aspects and define them in detail
- Describe the user interface being implemented
- Describe the hardware and software interfaces
- Describe the performance requirements
- Include design features and the architecture of the project

2. Scope

The HLD documentation presents the structure of the system, such as the database architecture, application architecture (layers), application flow (Navigation), and technology architecture. The HLD uses non-technical to mildly technical terms which should be understandable to the administrators of the system.

General Description

1. Product Perspective

A portfolio is a living and changing collection of records that reflect your accomplishments, skills, experiences, and attributes. It highlights and showcases samples of some of your best work, along with life experiences, values and achievements.

2. Problem Statement

To create the Personal Portfolio Website to showcase developers skills, education, projects, & contact-Info etc.

3. Problem Solution

Develop the Personal Portfolio Website to show the online presence of a developer. Person who visit a website can have a better understanding about a developer.

4. Further Improvement

The project can be extended by adding a back-end with the databases and along with we can also work on generating automatic resume base on the information we have added. Website can also be improved in the sections like GUI & User experience. User Experience can be improved much more by adding various animations, easing effects etc.

5. Data Required

Before building a website we need to gather respective social media links, previous projects, Past working Experience, Contact Info, Various Logo's etc.

Data is completely depending upon our problem statement

6. Tools Used

- Javascript programming language and frameworks such as Next JS, React JS. Back-end is powered by Node JS and for Styling we have use Tailwind and plain CSS.
- Visual Studio Code is used as IDE.

- For Designing of our website Figma is Used.
- Vercel is used for deployment of the model.
- Front end development is done using Next JS.
- GitHub is used as version control system.
- Canva is used for Documentation Purpose.

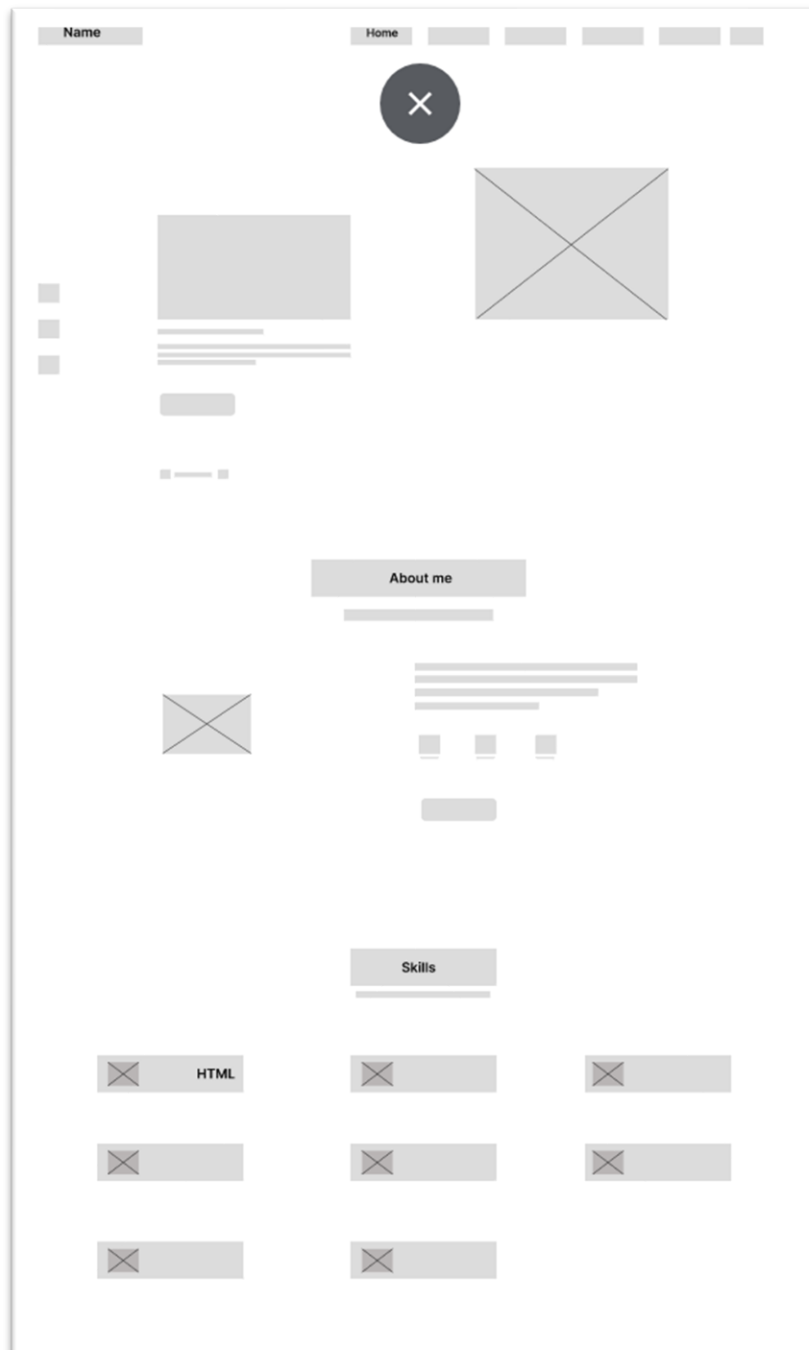
7. Constraints

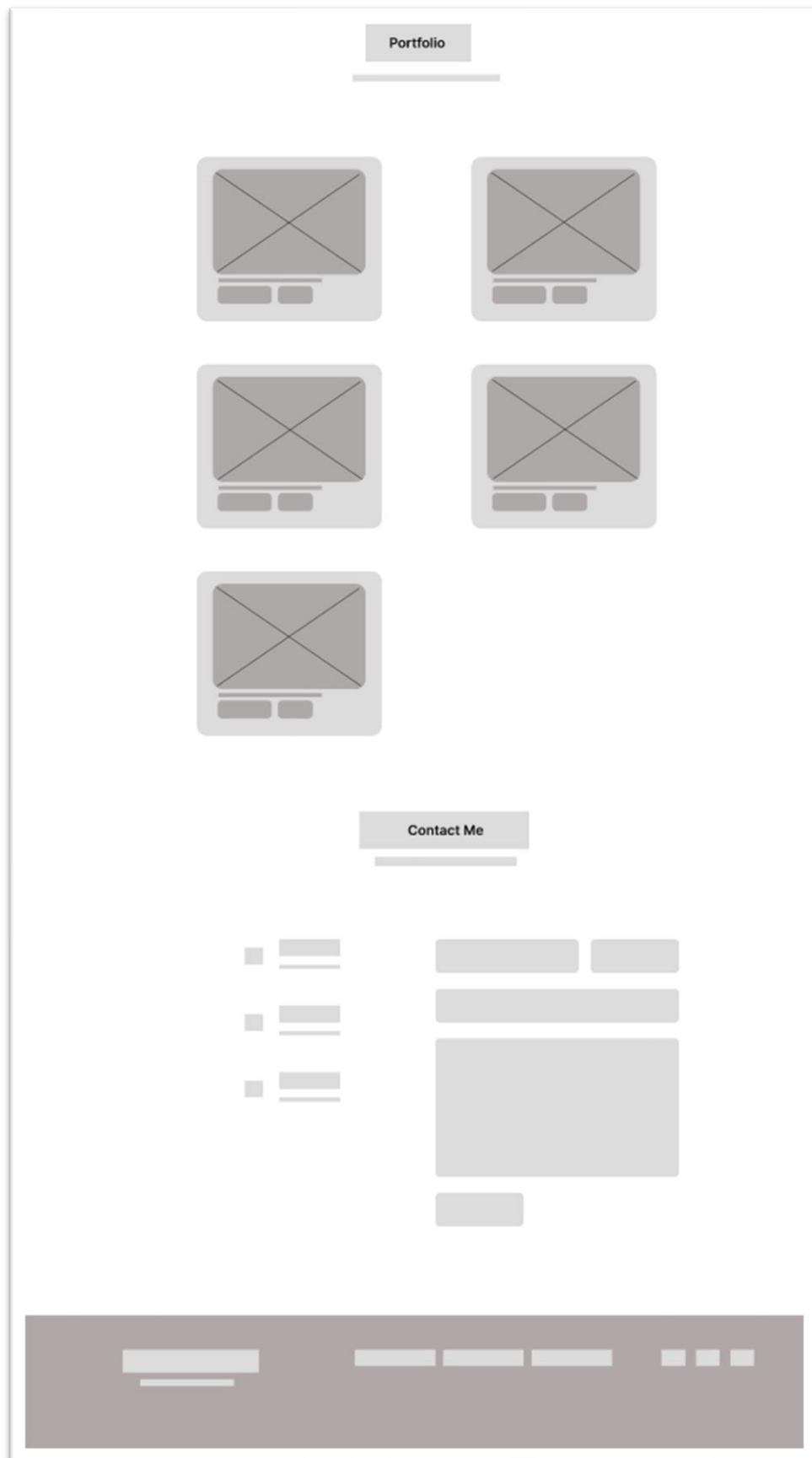
The Portfolio website should be user friendly. Anyone who visits a website should have a clear understanding about developer skillset, Experience and Past Work .

Design Details

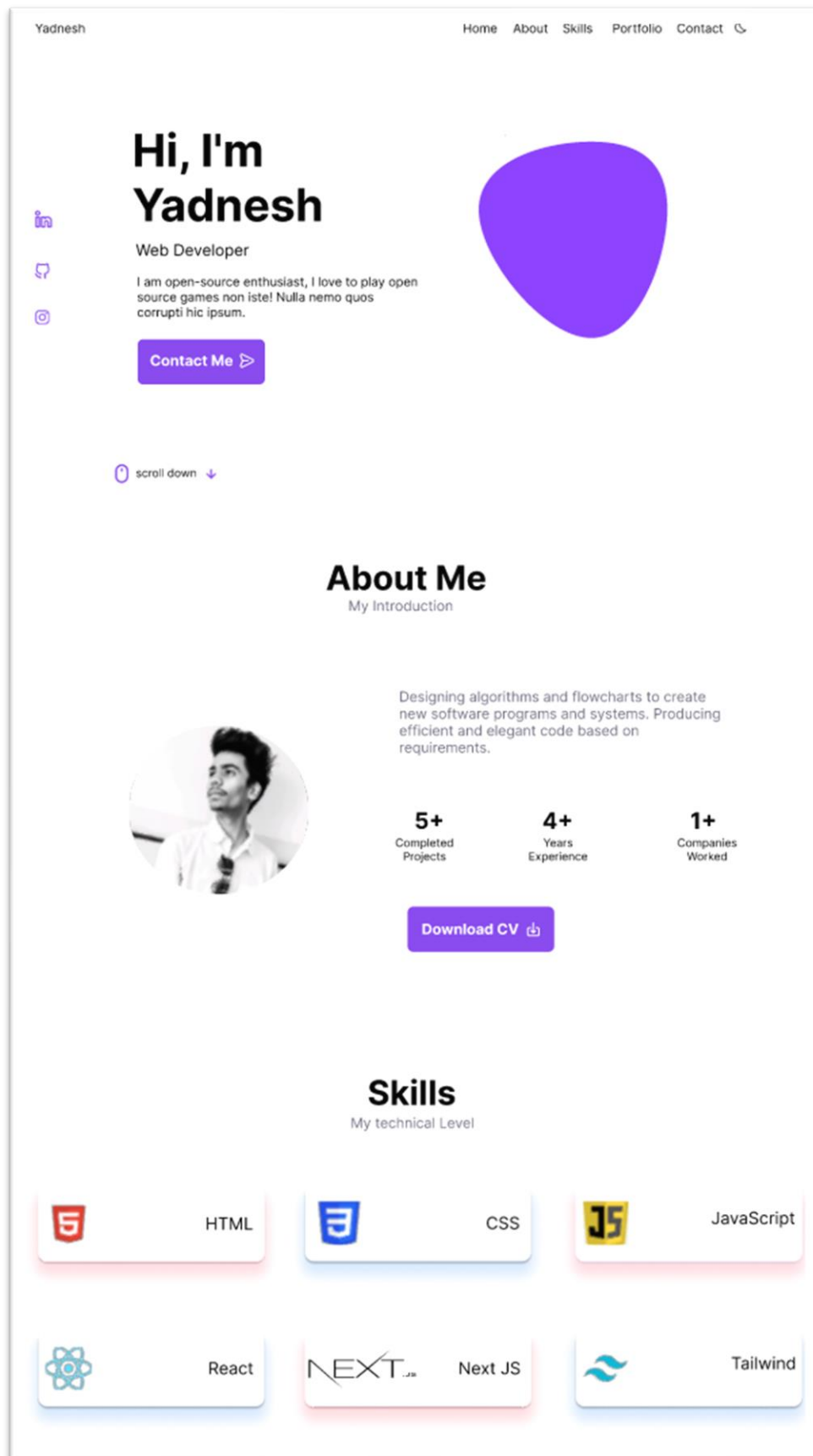
1. Process Workflow

WireFrame Diagram



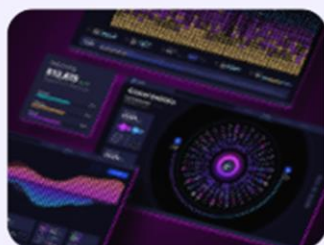


Prototype



Portfolio

Projects I have completed



Portfolio Item title 1

[Github](#)

[Demo](#)



Portfolio Item title 2

[Github](#)

[Demo](#)



Portfolio Item title 3

[Github](#)

[Demo](#)



Portfolio Item title 4

[Github](#)

[Demo](#)



Portfolio Item title 5

[Github](#)

[Demo](#)

Contact Me

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Call Me

9834154085



Email

yadneshwani.official@gmail.com



Location

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Name

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Projects

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Yadnesh

Web Developer

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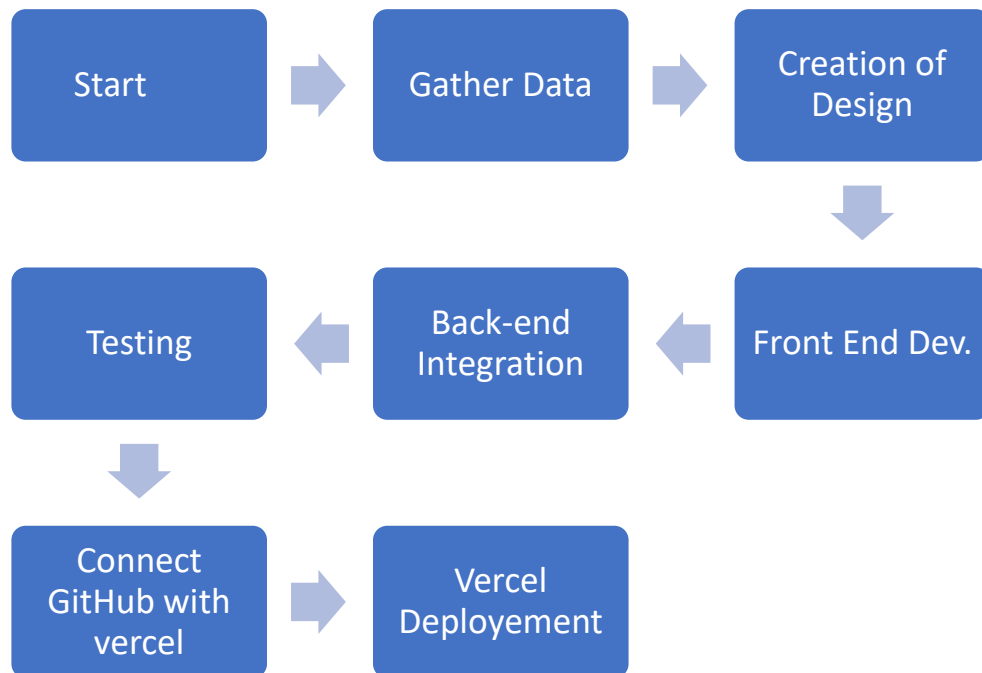
[Portfolio](#)

[Contact](#)



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Deployment Process



2. Error Handling

Initially we got error when connecting Vercel with GitHub which we solved. We then got error while displaying Skills and Portfolio Section. All of the above errors have been resolved.

Performance

1. Reusability

While Developing a website we have taken a concern of website reusability we have also taken care of that it would be easier to edit the website by any technical/Non Technical person. Anyone could edit a website by simply making changes in constant.js file.

2. Application compatibility

Since we are using javascript and it is compatible with any platform, we follow Application compatibility

3. Resource utilization

There are bunch of images on our website but those will get loaded on user machine whenever user will scroll down. It simply optimizes a website as well as saves users data.

4. Deployment

The code is deployed in GitHub. The whole system is live and is hosted on vercel.

Conclusion

Throughout this portfolio you can see developer work was a progress from the rough draft to the polished draft. All of the work I composed onto this file was the journey I went through this course. Each project has a prompt and its own individual purpose for us to seek and complete. I hope my portfolio was as interesting to you to as it is exciting to me. Reflecting upon my past experiences, Skillset, Projects etc.

References

1. <https://nodejs.org/en/docs/>
2. <https://nextjs.org/docs>
3. <https://reactjs.org/docs/getting-started.html>
4. <https://vercel.com/docs>
5. <https://tailwindcss.com/docs/installation>