

Project Documentation: Blog + Portfolio Website

Project Name: Simamkele Sefalane's Tech Journey Blog

Type: Personal Blog & Portfolio Website

Tech Stack: HTML5, CSS3, JavaScript

Deployment: GitHub Pages / Netlify / Vercel

Overview

This is a responsive, multipage blog-portfolio website that highlights my journey into tech, the projects I've built, and the services I offer. It serves as both a professional showcase and a space to share insights and lessons learned along the way.

Objectives

- Combine portfolio and blog in one clean, user-friendly interface
- Share tech-related blog posts and case studies
- Showcase personal projects with links to GitHub and demos
- Make the site responsive and visually appealing
- Practice HTML, CSS, and JavaScript development and deployment

Features

- Homepage with welcome section and animated role typing effect
- Blog Section with project cards and Read More links
- Projects Showcase with tech badges, GitHub, and Case Study buttons
- Services Page for tutoring and app development offers
- Contact Info with links to platforms
- Responsive Design optimized for desktop and mobile

Folder Structure

```
project-root/  
├── index.html  
├── blog.html  
├── services.html  
├── css/  
│   └── style.css  
├── js/  
│   └── main.js  
├── images/  
│   └── [project images, icons, etc.]  
└── README.md
```

Technologies Used

Technology	Purpose
HTML5	Page structure
CSS3	Styling, layout, responsiveness
JavaScript	Typing animation, dynamic content
GitHub Pages	Deployment
VS Code	Code editing

Key JavaScript Features

- Typing Text Animation
- Dynamic Blog Post Rendering using `document.createElement()`
- Button Interactivity

Lessons Learned


- Structuring a real-world, multi-section HTML website
- Writing modular and clean CSS
- Using JavaScript to dynamically manipulate the DOM
- Enhancing user experience with subtle animations

- Importance of semantic HTML and accessibility

Future Enhancements

- Add a contact form with validation
- Include blog post search/filter functionality
- Enable a CMS (like Netlify CMS) or Markdown blog post loading
- Add dark mode toggle
- Include blog categories/tags


Live Demo

 [your-username].github.io/blog-portfolio-site (or your Netlify/Vercel URL)

Author

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