**Syntain Technologies, LLC.**

**Screening Test/Interview Questions for Web Developer (Remote) Position**

**Instructions**: Please precede all your answers with the question you are answering.

Use acronyms only after you've explained them.

Use correct spelling and grammar.

Be sure to write your name and the interviewer’s name.

***Candidate’s Name*: Lucila Kerstin Werner**

***Interviewer’s Name*:**

1. Are you currently employed?

As of now, I'm focusing on my studies as a web development student. Alongside my academic journey, I'm actively engaged in self-employment by taking on freelance projects. This allows me to put my skills into practice and gain valuable hands-on experience in the field. It's a fulfilling way for me to apply what I've learned and continuously learn new things while managing my academic responsibilities. Additionally, I'm excited to mention that I'm currently collaborating with an ONG to revamp their website. Being able to contribute my web development skills to a meaningful cause is incredibly rewarding. It's all part of my journey to grow as a web developer and make a positive impact through my work.

1. What are the responsibilities of a web developer?

As a web developer, my main responsibility is to take design concepts and transform them into fully functional websites. I use my expertise in HTML, CSS, and JavaScript to bring these designs to life. My goal is to create visually appealing

In addition collaboration with designers is crucial to ensure that their vision is realized and the user experience is smooth and enjoyable.

Testing, debugging, and troubleshooting are important aspects of my role. I strive to identify and resolve any issues that may arise during the development process. It's essential for me to stay updated with the latest trends and technologies in web development to improve the performance and security of the websites I work on.

Effective communication and teamwork are vital in my work. I collaborate with cross-functional teams and stakeholders to understand project requirements and deliver high-quality solutions. By working together, we ensure that the end product meets the client's needs and exceeds their expectations.

1. What sparked your interest in web development?

I've always been captivated by the incredible potential of the internet and how it revolutionizes the way we communicate and access information. This curiosity led me to delve into the world of web development. The ability to craft beautiful and functional websites, transforming ideas into tangible online experiences, truly sparked my interest. It's a wonderful blend of creativity and technical expertise that allows me to shape the digital realm. The ever-evolving nature of web technologies keeps me inspired and eager to continuously learn and improve my skills in this exciting field.

1. Have you ever disagreed with a coworker? Tell me about it and how you resolved it.

We had a disagreement while working on an important feature. To resolve it, we listened to each other's perspectives, had open discussions, and found a compromise that incorporated the best of both ideas. Since then, we have maintained a healthy working relationship and continued to learn from each other's expertise. It taught us the importance of communication, empathy, and teamwork, which have become integral to our collaborative approach.

5. Tell What is W3C and why is it important?

The World Wide Web Consortium (W3C) is an international community that develops standards and guidelines for the World Wide Web. Plays a vital role in establishing web standards that promote interoperability, accessibility, innovation, industry consensus, and stability.

6. Explain how you optimize and reduce web application load time.

As a web developer, I optimize and reduce web application load time through various techniques. I minify code by removing unnecessary characters, compress and optimize images, implement caching and CDNs for faster resource retrieval, utilize lazy loading for non-critical content, enable compression, minimize HTTP requests, optimize server configuration, load JavaScript asynchronously, and monitor performance. These efforts ensure faster load times and an improved browsing experience for users.

7. What are the differences of using HTTP/2 as opposed to HTTP 1.1?

HTTP/2 is a newer version of the HTTP protocol that offers better performance and efficiency than HTTP 1.1. It enables concurrent requests and responses, compresses headers to reduce data size, supports server push, and uses a more efficient binary format. These improvements result in faster website loading times, reduced latency, and enhanced browsing speed.

8. In what programming languages are you proficient?

I have extensive proficiency in JavaScript, HTML, and CSS, which are fundamental technologies for web development. Although HTML and CSS are not technically programming languages, they play a crucial role in designing and styling web pages. Additionally, I am actively expanding my knowledge and improving my proficiency in Python

9. What steps do you take to balance demanding client requirements?

1. I start by thoroughly understanding the client's requirements and expectations
2. Prioritize Requirements
3. Set Realistic Expectations
4. Collaborate with the client and Iterate
5. Communicate continuously with the client. Regular check-ins and status updates help maintain transparency and build trust
6. Prioritize quality assurance to deliver a high-quality end product

10. Walk me through your portfolio. Which pieces are you most proud of, and why?

In my portfolio, you'll discover a diverse range of projects that reflect my journey and growth as a web developer. Each piece holds a special place in my heart as they represent different milestones in my career.

One particular project that fills me with pride is the one where I first dived into the world of React. It was an exhilarating experience that allowed me to unleash my creativity and showcase my front-end development skills. With React's power and flexibility, I was able to build interactive and dynamic user interfaces that truly brought the project to life.

This project was a turning point for me, as it demonstrated my ability to harness the potential of modern technologies and create a seamless and captivating user experience. It was incredibly rewarding to see my ideas come to fruition and witness the positive impact they had on the end users.

Overall, my portfolio is a reflection of my dedication to continuous learning and improvement. Each project holds its own story and significance, contributing to my growth as a web developer. I'm excited to share these experiences and the lessons they taught me with you.

11. Tell me about yourself and your last/current job/class?

I am a passionate and dedicated individual with a strong thirst for knowledge and continuous growth. I have always been fascinated by the world of data analysis and its ability to uncover meaningful insights that drive informed decision-making.

In my last/current job/class, I have embraced the role with a practical mindset, ensuring that I apply my knowledge to real-world scenarios. I am always seeking opportunities to expand my skill set and stay updated with the latest industry trends and advancements. I believe in the power of adaptability, recognizing that the field of data analysis is ever-evolving, and being open to change is crucial for success.

My approach to data analysis is firmly rooted in a fact-based methodology. I believe in the importance of thorough research, data validation, and rigorous analysis to ensure the accuracy and reliability of insights. By employing a fact-based approach, I aim to deliver actionable recommendations and valuable solutions that positively impact businesses and organizations.

Overall, I am driven by my passion for data analysis and my commitment to continuous learning. I strive to make a meaningful contribution to the field, leveraging my skills, adaptability, and fact-based approach to excel in any professional environment.

12. How do you prioritize your work as a Web Developer?

As a web developer, I prioritize my work by following a structured approach. Firstly, I make sure to understand the project goals and objectives, which helps me gain clarity and prioritize tasks accordingly. I then identify critical tasks that are time-sensitive or have dependencies, as they play a significant role in project success. Evaluating task dependencies allows me to determine the logical order in which tasks should be prioritized. Additionally, I consider the impact and urgency of each task, giving higher priority to high-impact tasks and those with impending deadlines. Regular communication with stakeholders helps align priorities and make informed decisions. I break down complex tasks into smaller sub-tasks, enabling me to allocate time and resources effectively. I remain flexible and adaptable to changing requirements, adjusting priorities as needed.

13. How much will you request per hour if you are hired?

If I were hired the hourly rate, I would prefer to discuss and negotiate it based on the specific requirements and expectations of the role, taking into consideration industry standards and the value I can bring to the organization.

14. How well do you handle constructive criticism about your web development projects? Can you give me an example?

**DUTIES:** assisting with the creation of websites and updating existing web applications using scripting languages. They work under the supervision of senior developers, assisting with coding, testing, design adjustments, and client reviews.

Can you handle all of these duties effectively?

Yes, I am confident in my ability to handle all these duties effectively as a web developer.