

**6100 West Fuqua Street Houston, TX**

**Screening Test/Interview Questions for Reliant Energy Retail Services, LLC. 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.

***Candidate’s Name*: LUCILA WERNER**

1. Are you currently employed?

Currently, I am a student pursuing my studies. However, alongside my studies, I am actively engaged in self-employment, taking on freelance projects. This allows me to apply my skills and gain practical experience in the field while balancing my academic commitments.

1. What sparked your interest in web development?

The ability to bring ideas to life through visually appealing and interactive websites, combined with the potential to impact millions of users globally, fuels a sense of purpose and excitement. Embracing challenges, turning abstract concepts into tangible realities, and witnessing the tangible impact of it

1. What specific programming languages do you work with?

Lately, I have been primarily working with JavaScript and integrating it with React for front-end development. Furthermore, I am currently studying Python.

1. Can you describe how you handle tight deadlines on the job?

First, I prioritize tasks by identifying the most critical and time-sensitive ones. I break down the project into smaller, manageable tasks and create a well-structured plan with clear milestones. Next, I focus on essential tasks first, ensuring that I meet the most critical requirements. To optimize productivity, I regular maintain communication with the team is vital, as it helps in coordinating efforts and addressing any roadblocks quickly

1. Have you ever had to juggle multiple tasks? Tell me about how you stay organized.

Yes, I have experienced juggling multiple tasks in my previous roles. To stay organized, I rely on a combination of techniques. First, I create a to-do list. This helps me visualize all the tasks at hand and ensures that nothing falls through the cracks. I break down larger projects into smaller, more manageable subtasks. Additionally, I practice time blocking, where I allocate specific time periods for focused work on different tasks.

1. What’s the biggest difference between developing for mobile and desktop?

The biggest difference between developing for mobile and desktop lies in the form factor and user experience. Mobile devices have smaller screens and touch-based interfaces, which require a more compact and responsive design approach.

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

The main difference is that HTTP/1.1: In HTTP/1.1, browsers can make only a limited number of simultaneous connections to a web server, while HTTP/2: HTTP/2 supports multiplexing (multiple request and responses can be sent and recive)

1. What are your strongest strengths, and how can you use them to help you succeed as a web developer?

I take pride in my strongest strengths, which include my exceptional problem-solving abilities, creativity, and keen eye for detail. When confronted with challenging coding tasks, I enjoy delving into the intricacies and finding innovative solutions. My creative flair allows me to design visually appealing and user-friendly interfaces, enhancing the overall web experience. Furthermore, my effective communication skills foster seamless collaboration with both team members and clients, ensuring that everyone's ideas and input are valued throughout the development journey.

1. What was your favorite project, and how did you approach it?

One of my favorite projects was creating my first website for a real client. The thrill of working on my initial professional assignment and delivering a functional and aesthetically pleasing website was truly unforgettable. To approach this project, I began by thoroughly understanding the client's requirements, goals, and target audience. I conducted in-depth research to gather insights into their industry and competitors. Armed with this knowledge, I devised a comprehensive plan and timeline for the project, breaking it down into manageable tasks. Throughout the development process, I kept a clear line of communication with the client, providing regular updates and seeking feedback to ensure their vision was accurately translated into the design and functionality. The satisfaction of seeing the client's positive response to the finished website was incredibly rewarding and further fueled my passion for web development. It was an experience that solidified my dedication to delivering exceptional results to clients and continuously honing my skills in this dynamic field.

1. Tell me about your experience working remotely.

It has provided me with the flexibility to create my ideal work environment, allowing me to be more productive and focused. To stay on track, I use various productivity tools like task managers, project collaboration platforms, and communication apps to keep in touch with my team. It's been crucial to maintain clear and open communication channels to ensure everyone is on the same page.

1. How did you make sure you hit the deadline?

Meeting deadlines is a priority for me, and I have developed a systematic approach to ensure timely project delivery. It all begins with breaking down the project into manageable tasks and establishing achievable milestones. This way, I can allocate the necessary time for each task while accounting for any potential challenges that might arise unexpectedly. Keeping a close eye on my progress throughout the project allows me to identify any areas where I may need to pick up the pace or seek additional resources. If I encounter any roadblocks or delays, I believe in open and proactive communication with my team or stakeholders. This enables us to collectively address any issues and make necessary adjustments to keep the project on schedule. By following this methodical approach, I've found that I can consistently meet deadlines and deliver high-quality work.

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

* Optimizing images and media files by compressing them and using modern image formats like WebP can significantly reduce page load size
* Minimizing HTTP requests
* Employing asynchronous loading of scripts

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

As a web developer, I welcome constructive criticism as an opportunity for growth and improvement. For instance, let's say I have developed a website for a client, and they provide feedback that the navigation menu is not intuitive enough for users to find certain sections easily. Instead of taking the feedback personally, I appreciate their input and see it as a chance to enhance the user experience and make it possible.

1. What excites you about the future of web development?

I am excited about the growing emphasis on web accessibility, which ensures that web applications can reach and cater to a wider audience. The collaborative nature of the web development community and the constant innovation in e-commerce further add to my excitement, making the future of web development a dynamic and promising landscape of opportunities.

1. Please guide me through the process of creating a web page from scratch.

* Sit down with the client and listen what he wants
* Make a design of the site
* Create the HTML structure
* Give style to the HTML
* Make some test of the site
* Sit down with the client to see if I am in the right path and if there is anything to that needs to be modify
* Make the design responsive
* Show it to the cliente

**We're seeking for a talented web developer that will be in charge of creating and/or designing websites for our company. You will collaborate with a team of other developers to create, manage, and update our websites. Can you handle all of these responsibilities effectively?**

