Screening Test/Interview Questions for Software Engineer (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: Kehinde Adewumi Adeniji

Interviewer's Name: **Brice Martinez**

1. Are you currently employed? No

2. Can you tell us some basic information about yourself? 37-year work experience.

3. How has your education prepared you for this role? Doctorate candidate in Internet Commerce

4. Describe the process your team currently implements for completing projects. Unified process

What works well? What would you change and why? Team effort, collaboration

5. Tell me about a time that you had to collaborate with other people on your team or other teams to solve a complicated problem. At Baynet.com we used VisualStudio SourceSafe

6. How comfortable do you feel reviewing code written by others? What process do you follow when reviewing someone else's code? Reverse-Engineering, S-Designor

7. Describe what you believe are the key principles of software engineering and what are your most used design patterns and in what contexts do you use them? Object-oriented
Unified methodology

8. How do you explain technical challenges to stakeholders who do not have technical knowledge or backgrounds? Diagrams, PowerPoint, layman language

9. What is "Agile" software development and what are your thoughts on it? Used at SonicEagle

10. Describe the last project you worked on, including any obstacles and your contributions to its success.

At DHC, I solely migrated from FoxPro 5GL to Intranet. Object-relational Language Integrated Query (Linq)

11. Describe a difficult bug you were tasked with fixing in a large application. How did you debug the issue?

At Baynet.com I migrated from multiple websites to a single website. A 3rd party tool user-interface (UI) component was not working properly when adding items so I used an array to add in one instance.

12. Which project management tools do you feel are most useful in your role as a software engineer and what aspect of our company, product or team interests you most?

Unified methodology the basis for my Doctorate thesis

13. What are your most used design patterns and in what contexts do you use them?

Singleton for a single record instance.

14. Will you be able to devote 20 to 40 hours of your time weekly for the company? Yes

15. How long would you expect to work for us if hired Until my role is superceeded.

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

About the role:

We're looking for a highly-skilled software engineer to join our program and network design team. Our ideal candidate will have expert knowledge of software development processes and solid experience testing and evaluating current networking systems. If finding issues and fixing them with beautiful, meticulous code are among the talents that make you tick, we'd like to hear from you.

Roles and Responsibilities:

- Design and build tools and frameworks to automate development, testing deployment, management and monitoring of the company's 24x7 services and products

- Plan and scale distributed software and applications, applying synchronous and asynchronous design patterns, write code, and deliver with urgency and quality

- Collaborate with global team, producing project work plans and analyzing the efficiency and feasibility of project operations, while leveraging global technology stack and making localized improvements

- Track, document, and maintain software and network system functionality—both internally and externally, leveraging opportunities to improve engineering productivity

- Give a high level of attention to creating software and networking platforms free of faulty programming, keeping developers in step continuously without compromising site reliability

- Work with product managers and user experience designers to influence the strategy for the next wave of product features and system capabilities, identifying the best way to deliver capabilities

Can you handle all of these duties effectively?

Human Resources Department,
Tactical Engineering & Analysis
6050 Santo Road, Suite 250
San Diego, CA 92124