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Screening Test/Interview Questions for Junior Software Engineer 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:

1. Are you currently employed?

Yes

2. How will your skills contribute to our company's growth?

Engineer w/ a couple of years experience working on lots of back-end web systems. I strive to write clean, testable code with a focus on readability.

3. Describe your technical training.

4 year degree from University of Utah – Computer Engineering

4. What programming languages are you familiar with?

Python, Javascript, Node/Typescript

Some familiarity with C/C++/C#

5. What interests you most about software development?

I've always been a fan of problem solving & having impact (helping community)

6. What were your responsibilities in your last role?

Work on service that connects to and acquires data from bank systems/servers.
Requested data had to be translated to fit into our api data model – this is all Typescript/NodeJS

7. Describe one of your favorite development projects.

Probably machine learning applications at Progrexion. These were Python/Flask Apis w/ pickled machine learning models to make product recommendations.

8. What aspects of software development do you find the most challenging?

Probably handling ambiguity. How to handle requirements when they're not very well defined.

9. How comfortable are you with independent work?

Comfortable, I work independently a lot now – Ems are very handsoff.

10. How well do you work on a team?

Well, most of my experience is w/ small, close-knit teams 2-4 engineers.

11. How do you prioritize projects and tasks?

I normally just try and stack rank things. Lately I try to communicate w/ PM to determine what order I should be working on things.

12. What's the difference between white box and black box testing?

White box – writing tests when you understand inputs, outputs, and what's going on inside.

Black Box – writing tests when you understand inputs and outputs NOT WHAT'S GOING ON INSIDE

13. What source control do you use? Why?

Git – It's the only one I've ever used

14. What kind of time management strategies do you feel help keep you on track of completing objectives?

Blocking out sections of my calendar for focus time.

15. How do you stay updated on current technology trends, news or products?

I follow some Technology/engineering companies on Twitter. I try to stay up to date w/ articles and news things as well.

16. What steps have you taken in the past six months to develop your skills?
Trying to go above and beyond on work projects & also dedicate some time for personal projects.

17. What is one of your greatest achievements?
Finishing my 4 year degree at University.