ELLEVATION

Ellevation Education Front-End Engineer Technical Project

The technical project provides us with an opportunity to see how you problem-solve, how you apply your technical skills in solution design, how well you communicate and how well you are able to extend or modify an existing system. It is comprised of two parts -- "Technical Design & Coding," which you are free to complete at your own schedule and use any available resources, and then a "Live Working Session" that will take place at the Ellevation office.

Part 1: Technical Design & Coding

Scenario: Instructional Activity Screen Prototype

Summary: Create a clickable prototype -- HTML, CSS, Javascript -- for the screen mockup attached.

In addition to the general layout and formatting, this should include:
- Functional tabs ("About", " Activity Plan" and "Examples");
- A proposed interaction for the "Comment" and "Add New Comment" feature;
- A proposed interaction for the "Share" feature, which would enable the current user to share the activity ("Hanging Hashtags") with at least one other educator in their school district by selecting their name/email from a dropdown;
- A proposed interaction for the "Students" link, which would enable the current user to view a list of students who meet the selected Support Level ("High Support", "Moderate Support", "Low Support") and Filter (for example, "Student Grade").

There are no restrictions on UI or Javascript framework(s) -- you should feel free to use what you are comfortable with and be prepared to explain your design, technology selection, and implementation decisions.

Please submit your work for Part 1 (via email attachment, GitHub, etc.) at least 24 hours in advance for review. This will give us sufficient time to review your work, prepare any questions, and confirm the next step if there is a potential fit. To be respectful of your time and other obligations, we ask that you spend no more than 2 hours preparing.

Part 2: Live Working Session

Duration: Approximately 45-60 minutes

Summary: Please arrive ready to spend the first 10-15 minutes of the session presenting your solution to 2-3 reviewers. Explain any important design decisions and any assumptions that you made. The reviewers will then ask questions, delve deeper into particular areas, and change requirements that you will be asked to incorporate into your design.

- Use of the whiteboard is strongly encouraged. (One will be provided).
- You should be prepared to write additional psuedo- or actual code during the session.
- You can provide hard copies of any diagrams or code, although lengthy presentations such as Powerpoint or Google Slides are discouraged.
- A projector will be available if you would like to show your work on a laptop computer. We use Zoom (https://zoom.us/) for projector/screen sharing, so it may be helpful to download the client beforehand.

Please let us know if you have any questions before the session.