

Performativ Full Stack Developer Trial Project

[Estimated effort: 10-20 hours]

Pick a hobby that you enjoy and build a working CRUD application that demonstrates your abilities across the full stack. It should have a list, edit, create, delete capabilities in the UI and API.

You should also make sure the list view can be filtered and sorted, and ideally try to implement one of these as a server side and one client side so that you can demonstrate some knowledge of data processing. By filtering and sorting, for example, if you have some listing of people, it should support some nested sorting by first-name then last-name (think about implications where both are alphabetically sorted but ordered). Also add a filter bar/button or search box by some tag or attribute of your data.

Store the data wherever you want, but make it realistic, not just in memory code. E.g. (some NoSQL store, or SQL, or Firebase or MongoDB etc).

Frontend must be in React and Typescript (unless otherwise discussed in interview).

Backend must be in PHP Laravel (unless otherwise discussed in interview).

You should have at least one 3rd party enrichment integration. For example, if you picked famous persons as your hobby you could query wikipedia and show some additional information from there, you can do this on the front end or back end depending on your preference.

Test cases: We would expect you to add at least one front end and one back end meaningful test of some type.

Submission should be:

- 1 or 2 github link repositories (code)
- A screen recording link of the working demo with you explaining it both functionally and technically Including things you do know, but also areas you have yet to learn and do not yet know (be honest), show the code and the app in the screen recording. The screen recording should start with you showing the app as a demo as if talking to a customer or teaching a junior programmer. Then you should spend more time (most of the screen cast) talking about the code. If it helps you can pretend you are teaching a junior how to program, or how the tech or tool you used works. It is really important you talk about the architecture, layers but also the code details for a few functions and endpoints so we can understand it is your work, and what you know.

We know this is a lot to ask, and we only ask you to do this, if we feel it is necessary to give you a good chance of success as a new joiner. Thank you for the effort, good luck.