



Tech lead assignment

The assignment should hopefully capture all the critical elements of a collaboration between us and you in our respective roles. We'll go through sample dev and tech lead work for our 'widget' reporting agent, which hasn't been developed yet.

The reporting agent is going to be our MVP platform for Solar Asset Managers. Our 'widget' version is the most bare bones version of the Reporting Agent our customers have told us we can produce for them to start using it.

Although this is a real tool we are considering developing, no work completed as part of this interview process will be used in the actual production of the tool. The process is meant to evaluate each other, not get free help.

Timeline: 1-2 weeks; ideally the collaboration session would wrap up by Friday September 19th. Let us know if this isn't feasible. *Note: we are at a big conference in Las Vegas next week (RE+) and won't be able to hop on a call. But we respond to email questions. You may start the assignment whenever you want from now until the deadline, as long as our final collaboration meeting wraps up on the 19th.*

Part 1: Solo work (submit before collaboration)

1. You build a piece of the widget in the PRD

- *Decide on a part of the PRD that you can take to develop as a functional portion of the work, focusing on demonstrating backend structuring and work with LLM's and information retrieval.*
- *Scope this to be something that can be developed and demonstrated, which is possible within the time limit*
- **Est. timing:** no more than 2 hours

2. Sketch out the data architecture

- Develop the data schema and architecture for this widget
- This does not need to be technically implemented, this should be the architecture and data schema you would use if you had more time
- **Est timing:** 30 mins

Although we are calling this solo work, if you prefer to have a ~15-30 minute kickoff call before starting work we are happy to arrange this. A call can happen on September 4 or 5, or the week of September 15th. Feel free to ask us questions throughout the process. Let's treat this as we would typical asynchronous collaboration.

Part 2: collaborative discussions

Est timing: 1 hour

1. **Q&A on part 1**
2. **Propose the tech stack/devops for the Reporting Agent widget** (not a formal report, just as a discussion point)



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3. **Review the reporting Agent PRD - what's your feedback on it? What technical considerations/requirements should be added?** (not a formal report, just a discussion point)
 - a. Within the PRD, we'll also collaboratively review one of the features as though we are scoping the feature as part of sprint planning

Total time commitment: ~ up to 5 hours over up to 2 weeks

Relevant inputs

1. Reporting Agent Widget PRD
2. Style Guide (in case it's helpful)
3. JSON site hierarchy representation
4. Sample site reports

Good luck, and treat the time constraint strictly. We value readability and thoughtful trade-offs over perfection. We are not testing for time efficiency, and we want to respect your time. So, if the time constraint does not allow for completion, please describe how you would complete the project.

In your response, please include any questions or clarifications you may have about the business context or the instructions.