# Software Developer, Platform Architect Project

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Thank you for giving me this opportunity to work on this project and represent my skills. I really enjoyed brainstorming and implementing the project.

## Questions I had while working on the project:

* The first question I had was while designing the schema for the database was that if a particular material would be shared among other construction sites. In that case I would have designed three tables, site (holding the unique uuid for each sites), materials (holding information about a material) and site\_material\_mapping (which represents customized config for a given material for a particular construction site). But after clarifying my doubt I decided to create only two tables as it was a one-to-many relation (site-materials). I have mentioned my schema in the readme file.
* Coming around the needs for database migration was a bit confusing for me and having implemented all the backend functionalities using raw SQL queries I decided to focus more on testing and documentation the project. I have made sure to parameterize each query to protect from SQL injections.
* I have time on hand and if required, I can implement database migration and resubmit.

## Time spent on working on the project:

* I wanted to make sure my code was clean and organized so I took close to 4-5 hours to complete the project

GitHub Link: <https://github.com/mahir-d/smart-construction-dashboard>