



Data Engineering Career Track

Open-ended Capstone Step 2: Project Proposal

Time Estimation: 3-5 Hours

Finalize one of your capstone ideas based on the feedback from and discussions with your mentor. Create a 1-2 page Google Doc (commentable by your mentor) with the following details about your project:

- Problem statement formation
- Context
- Criteria for success
- Scope of solution space
- Data source(s)
- Proposed architecture for the solution and rationale behind it
- Choice of technology for the solution and rationale

Here are some questions to consider to help you get started:

- What is the problem you want to solve?
- Who is your client and why do they care about this problem? In other words, how will the client benefit from the solution that you are developing?
- What data are you using? How will you acquire the data?
- Briefly outline how you'll solve this problem. Your approach may change later, but this is a good first step to get you thinking about a method and solution.
- What are your deliverables? Typically, this includes code, a paper, or a slide deck. For this capstone, the deliverables include:

- A GitHub repo containing the work you complete for each step of the project, including:
 - A slide deck
 - A readme markdown file with descriptions of the project and its working