

Data Engineering Career Track

Open-ended Capstone: Final Submission

Estimated Time: 1-2 Hours

Final Deliverables

1. **Code:** A well organized GitHub repo containing your final code & tests, scripts from all the steps of the capstone, as well as:
 - a. An Azure Resource Manager Template for each resource deployed as part of this architecture. Following [these steps](#) for each resource, you did this in Step Seven.
 - b. A readme.md file which clearly explains the following:
 - i. Dataset and its characteristics
 - ii. Final components of the pipeline and rationale behind choosing them
 - iii. Description of each step of the pipeline (acquisition, cleansing and transformation of data, etc.)
 - iv. An Entity-Relationship diagram for your data model from Step Four
 - v. A diagram representing the flow of data from one component to the other among Azure resources from Step 7
 - vi. Any other relevant information
2. **Dashboard:** Real-time analytics dashboard deployed and available for your mentor to access in Azure or via third party visualization software. You made this in Step 10.
3. **Slide Deck:** A slide deck detailing the process you went through to create your capstone project, and the decisions you made along the way. You have been building this deck incrementally in each step of this capstone project. Please refer back to the individual steps for suggestions on what to include. The slide deck should walk your mentor, or

anyone else, through the development process of your project. It tells the story of how you got to the final state of your capstone, in a way that any engineer could follow.

Project Evaluation

For Springboard to consider your workshop complete and issue a certificate of completion, your mentor needs to approve your final project submissions based on the rubric listed below. If the project is not approved, please discuss the feedback from your mentor and resubmit in case improvements are necessary. Your student advisor will not be able to process your workshop completion until your project is approved by your mentor!

Capstone Project Rubric

We use the following rubric for evaluating final capstone projects. Please take a good look at it and make sure you discuss with your mentor to agree on success criteria.

View the Capstone Project Rubric [here](#).

Your capstone project is evaluated based on two criteria: completion and process/understanding. Within each criterion, specific benchmarks and expectations are listed to help ensure the overall quality and mentor approval of your capstone project.

Because your mentor approves each step and later the entirety of your capstone, it's vital that you work with your mentor throughout the course to determine and agree what the bar is for each criterion and to incorporate timely feedback during the intermediate stages.