**Project Design Phase-I**

**Solution Architecture**

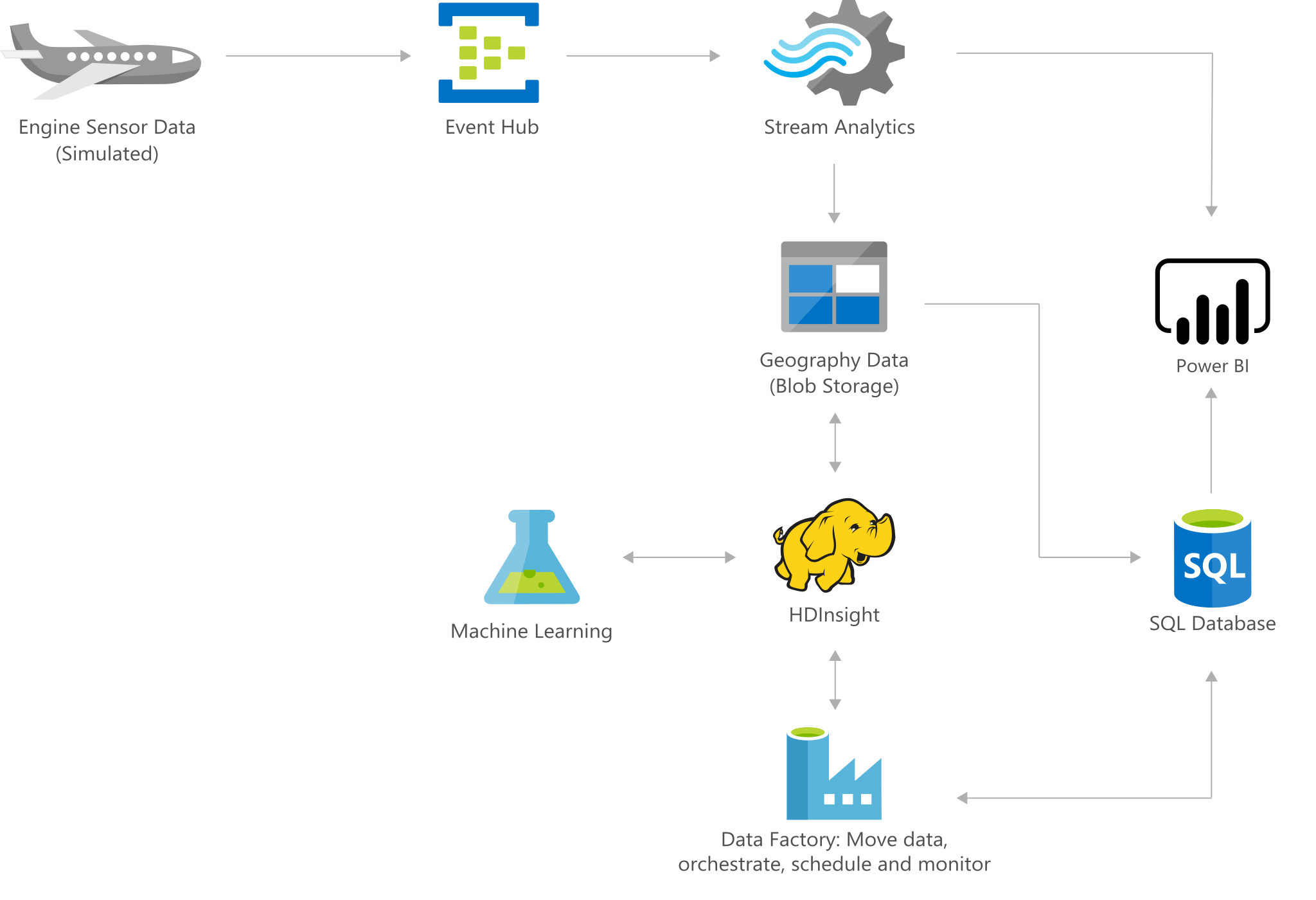
| Date | 19 September 2022 |
| --- | --- |
| Team ID | PNT2022TMIDB2-2M4E |
| Project Name | Project -Machine Learning-Based Predictive Analytics for Aircraft Engine |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

* Find the best tech solution to solve existing business problems.
* Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
* Define features, development phases, and solution requirements.
* Provide specifications according to which the solution is defined, managed, and delivered.

**Solution Architecture Diagram:**



*Figure 1: Architecture and data flow of the Machine Learning-Based Predictive Analytics for Aircraft Engine*

**Reference:**

https://learn.microsoft.com/en-us/azure/architecture/solution-ideas/articles/aircraft-engine-monitoring-for-predictive-maintenance-in-aerospace