**Project Design Phase**

**Solution Architecture**

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| Date | 24 JUNE 2025 |
| Team ID | LTVIP2025TMID49893 |
| Project Name | Visualizing Housing Market Trends: Analysis Of Sale Prices And Feature Using Tableau |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

Solution architecture in this project is a crucial process that connects the **challenge of understanding housing market data** with a clear and effective **visual analytical solution.**

Its main objectives are to:  
● **Identify the most effective visualization and data preparation tools** (Tableau, Tableau Prep, GitHub Pages) to simplify housing data analysis for buyers and investors.  
● **Describe the structure and flow** of data — from raw dataset preparation to final web-embedded dashboards — to all stakeholders.  
● **Define key features**, such as interactive dashboards, filters for house age and renovation status, and story-based guided analysis.  
● **Provide a clear framework** that specifies how the data should be cleaned, visualized, shared to ensure accessibility, accuracy, and usability.

**Solution Architecture Diagram:**

