

Project Design Phase

Solution Architecture

Date	25 February 2026
Team ID	LTVIP2026TMIDS40890
Project Name	Visualization Tool For Electric Vehicle Charge and Range Analysis
Maximum Marks	4 Marks

Solution Architecture:

The solution architecture defines how EV datasets are processed and transformed into meaningful visual analytics. Data from multiple sources such as EV specifications, charging station locations, and global EV performance datasets is collected and cleaned. The processed data is connected to Tableau Desktop where visualizations, dashboards, and stories are developed. These dashboards provide insights into EV efficiency, pricing, range analysis, and charging infrastructure. Finally, the dashboards are published on Tableau Public to allow users to interact with the data and gain analytical insights.

Example - Solution Architecture Diagram:

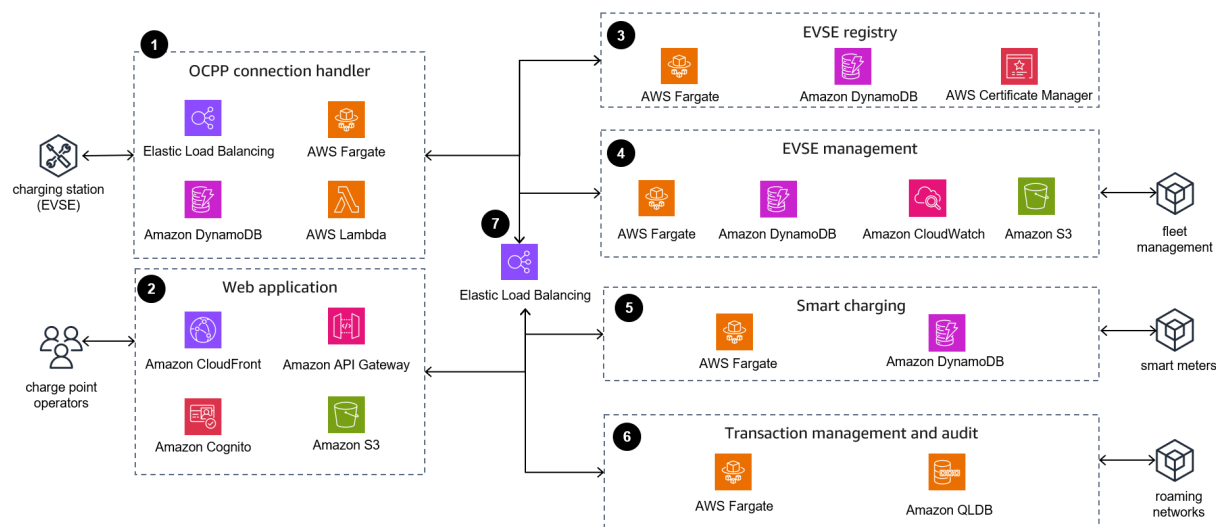


Figure 1: Solution Architecture for EV Charge & Range Analysis