Date	27 june 2025
Team ID	LTVIP2025TMID49260
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
Maximum Marks	4 Marks

Solution Architecture:

Architecture Goals

1. **Best Tech Solution**:

   o Leverage Tableau for interactive visualizations.

   o Use Python/R for predictive analytics and data cleaning.

   o Deploy on AWS for scalability.

2. **Stakeholder Communication**:

   o Clearly visualize data flows and system components for manufacturers, policymakers, and investors.

3. **Phased Development**:

   o Phase 1: Core dashboard (state-wise trends).

   o Phase 2: Predictive modeling integration.

   o Phase 3: Real-time API feeds for live data.

4. **Specifications**:

   o Ensure GDPR/CCPA compliance for data handling.

   o Optimize for 100+ concurrent users.
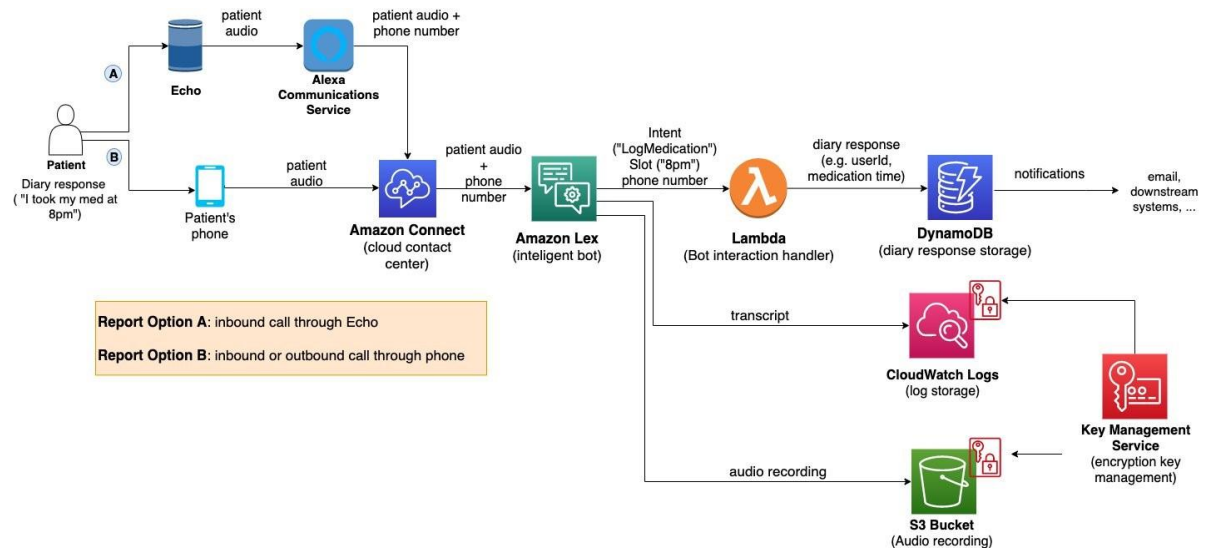
Example - Solution Architecture Diagram:

Figure 1: Architecture and data flow of the voice patient diary sample application