Project Design Phase
Solution Architecture

Date	15 February 2026
Team ID	LTVIP2026TMIDS74269
Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
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.
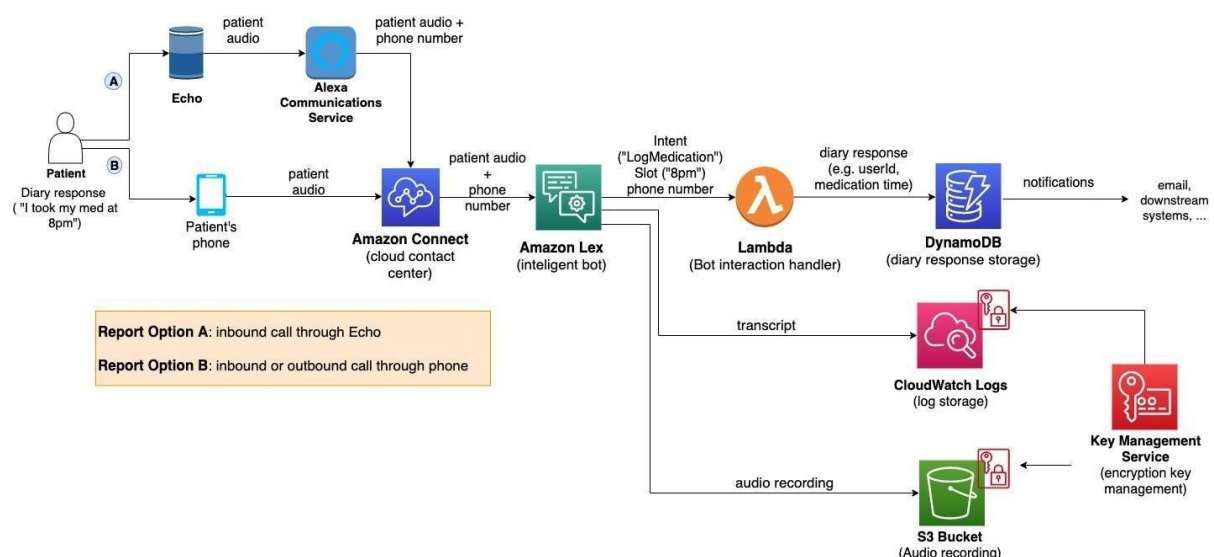
Example - Solution Architecture Diagram:

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

Reference: https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/

[Raw Data Sources]

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[Data Cleaning & Formatting]

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[Tableau Data Connection]

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[Individual Worksheets (Charts)]

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[Dashboard Compilation]

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[Interactive Storyboard in Tableau]

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[Business Insights for Users]