

Project Design Phase Solution Architecture

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| Date | 18 February 2026 |
| Team ID | LTVIP2026TMIDS24412 |
| Project Name | Smart Sorting: Transfer learning for identifying rotten fruits and vegetables |
| 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:

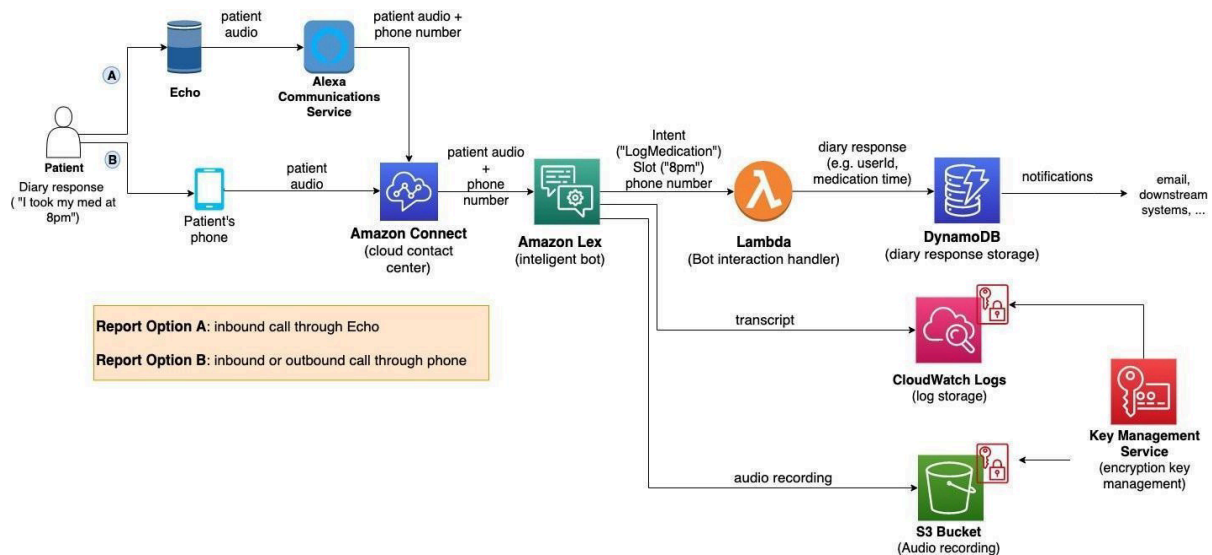
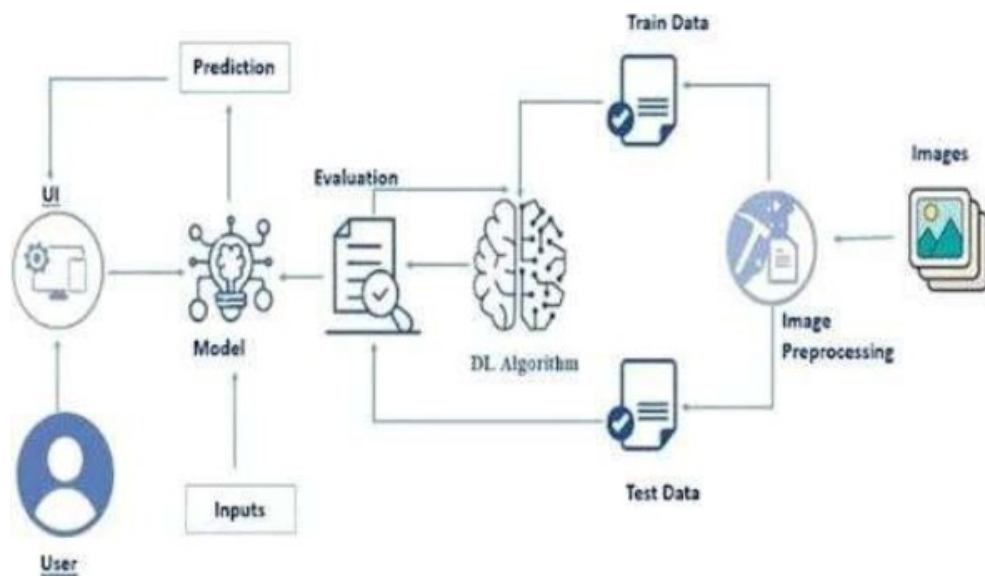


Figure 1: Architecture and data flow of the voice patient diary sample application



Reference:

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