

Project Design Phase

Solution Architecture

Date	30 June 2025
Team ID	LTVIP2025TMID55781
Project Name	HouseHunt: Finding Your Perfect Rental Home
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:

Here's your colorful architecture design for the HouseHunt rental app!   It visually lays out the complete MERN-stack flow—from user interfaces to backend services, security, media management, and logic handling. Let me know if you'd like to tweak the layout or add

specific components like analytics, notifications, or deployment strategy.

ARCHITECTURE DESIGN

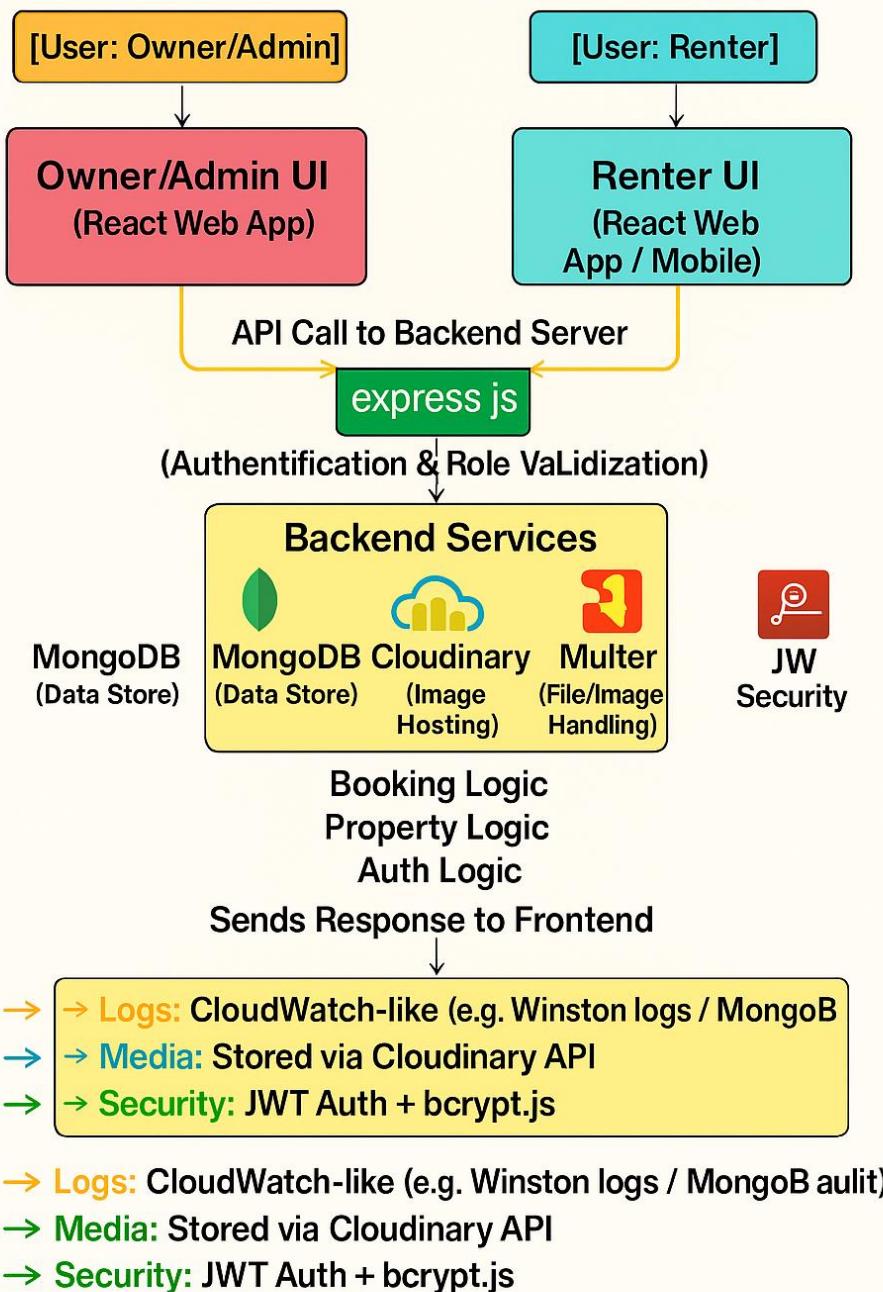


Figure 1: Architecture and data flow of the voice patient diary sample application

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