

Project Design Phase Solution Architecture

Date	15 February 2025
Team ID	SWTID1743517106
Project Name	MEDICARE
Maximum Marks	4 Marks

Solution Architecture – MEDICARE: Book a Doctor

The solution architecture for MEDICARE bridges the gap between the healthcare appointment challenges patients face and the technology that solves them. This architecture ensures a seamless experience for patients, doctors, and healthcare providers. Its goals are to:

- Identify the most efficient technological solution to streamline doctor appointment bookings, reduce wait times, and improve access to medical care.
- Define the structure, key components, behavior, and interactions of the MEDICARE application, enabling clear communication with all stakeholders (developers, medical partners, and patients).
- Break down the application into features and development phases, such as patient registration, doctor discovery, appointment scheduling, notifications, and health record management.
- Deliver precise specifications for system integration, database usage, security, and performance – ensuring the platform is scalable, secure, and user-friendly

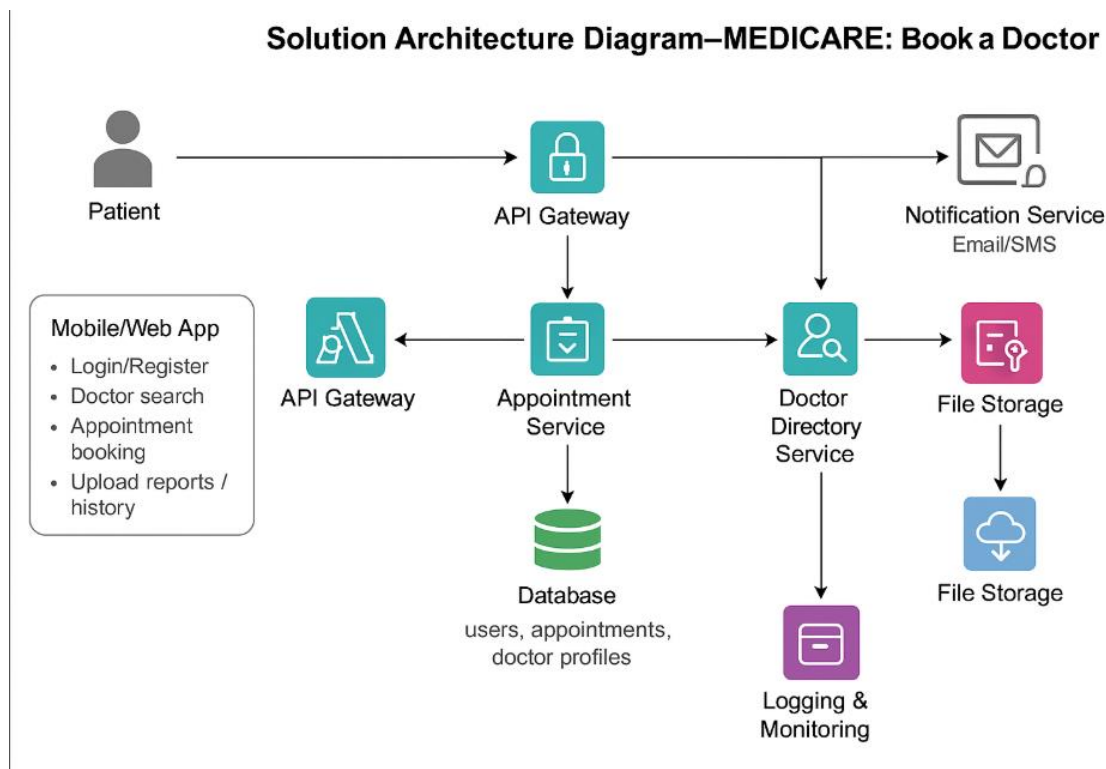


Figure 1: Solution Architecture Diagram - MEDICARE: Book a Doctor

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