

Project Design Phase

Solution Architecture

Date	20 February 2025
Team ID	LTVIP2026TMIDS41763
Project Name	ShopEZ:One-Stop Shop for Online Purchases
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture connects the business problem (lack of a secure ecommerce platform) with a technical solution (ShopEZ system).

Its goals are:

- To provide a secure and scalable ecommerce platform for users and sellers.
- To define how frontend, backend, database, and payment systems work together.
- To identify features like authentication, product management, cart, orders, and payments.
- To define the technologies used (React, Node.js, MongoDB, Razorpay).
- To ensure the system is secure, scalable, and easy to maintain.

Solution Architecture Diagram:

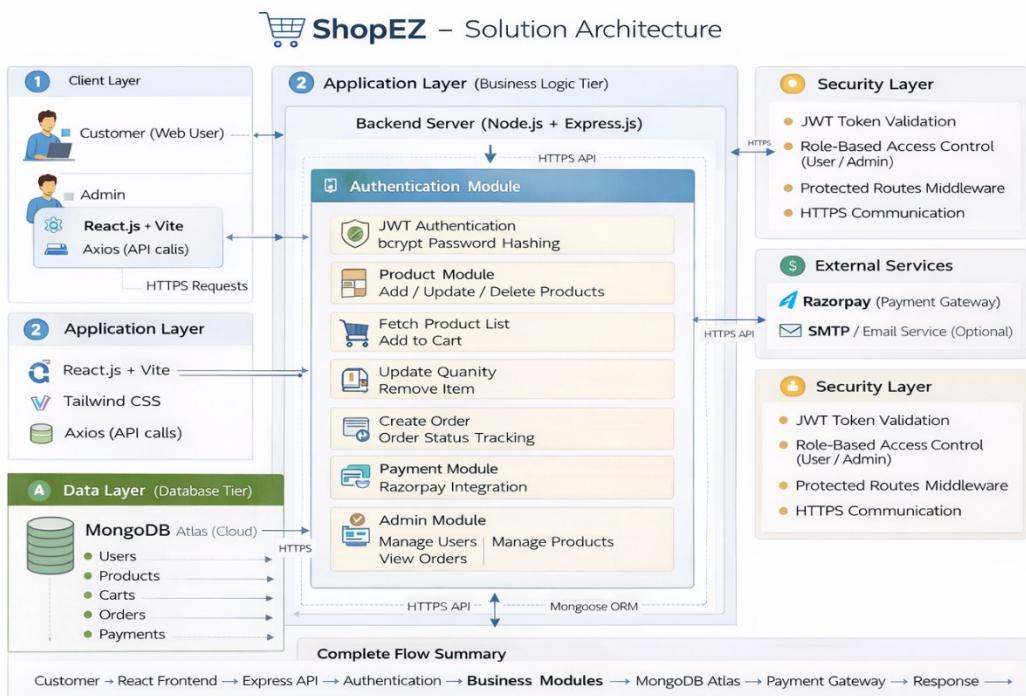


Figure 1: Architecture and data flow of the voice patient diary sample application

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

