Calendly High Level Design:-

(Host / invitee / Guest List.)

Notifications

o Notify Guests/Host

(Slots Avail., Locking)

Notification Engine

Distributed Cache Layer

Event Service

o Event creation / o updation

user Profiling

Payments Service

Slot Booking Service (Core)

o Process Payments & Refunds

Third Party Calendar Adapter

Sync. Calendar Events

→ Adopt & Sync Events with Third Party Calendars

2-way sync

Google Calendar   Outlook   Apple etc

o Store User Data
↓
o Profile
o Events
o Payments
o Slots
o Reservations etc.

NoSQL DB

UI, API Gateway