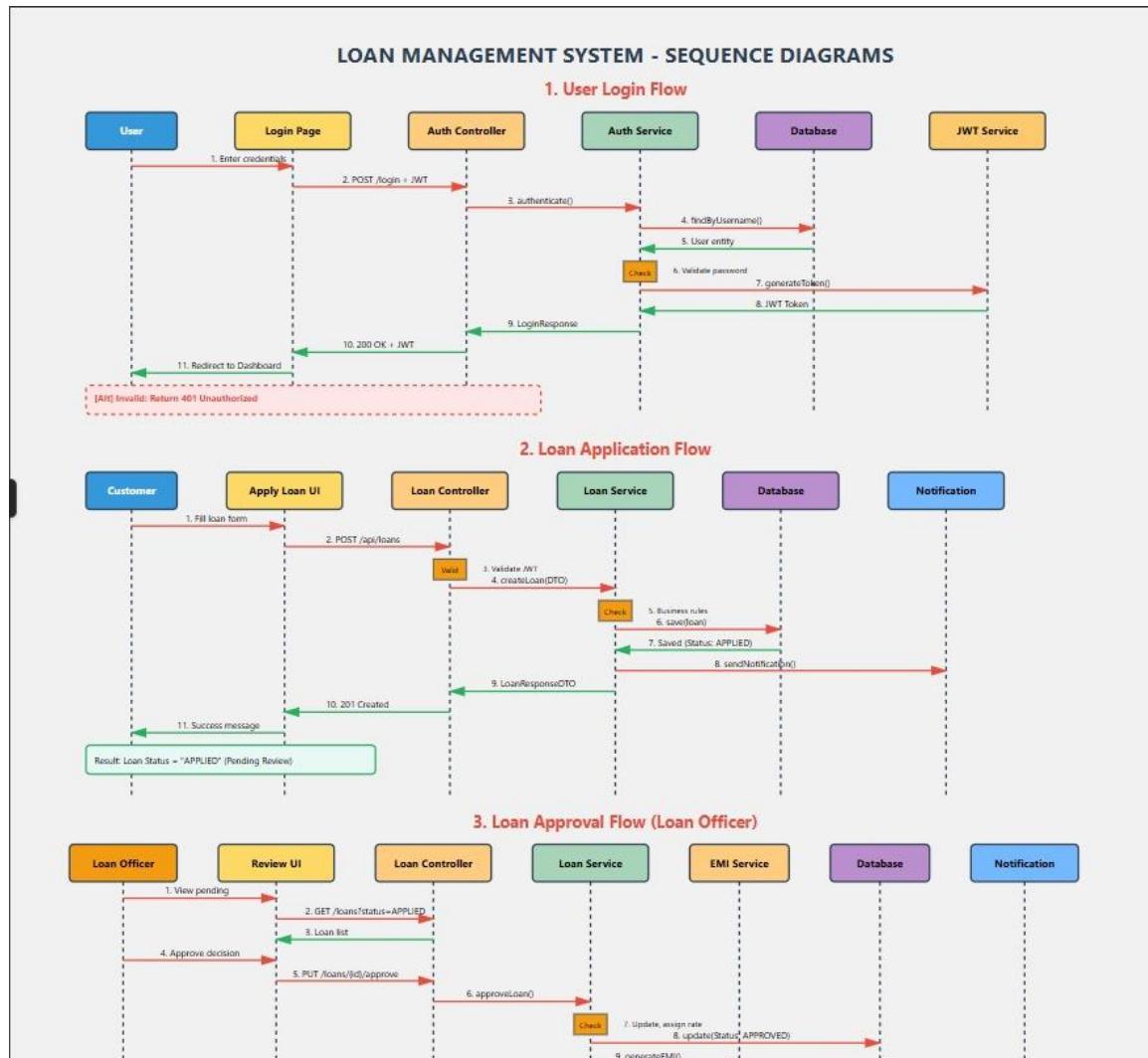
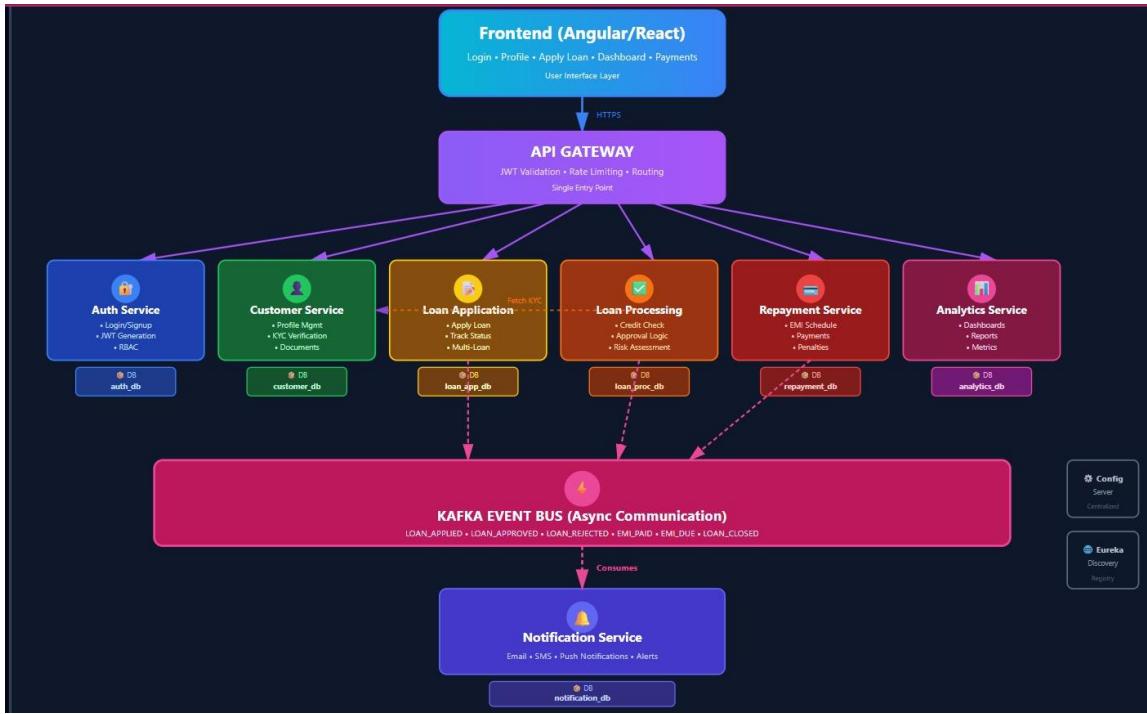


# Loan Management System – Architecture & Design Diagrams

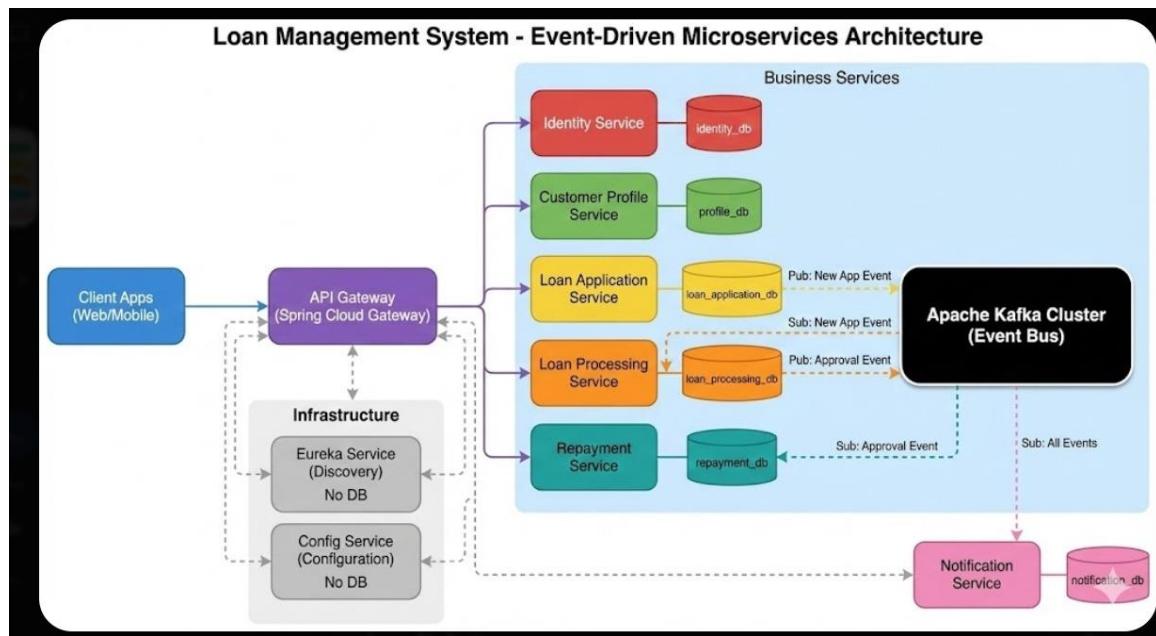
## Sequence Diagrams – Login, Loan Application, Approval Flow



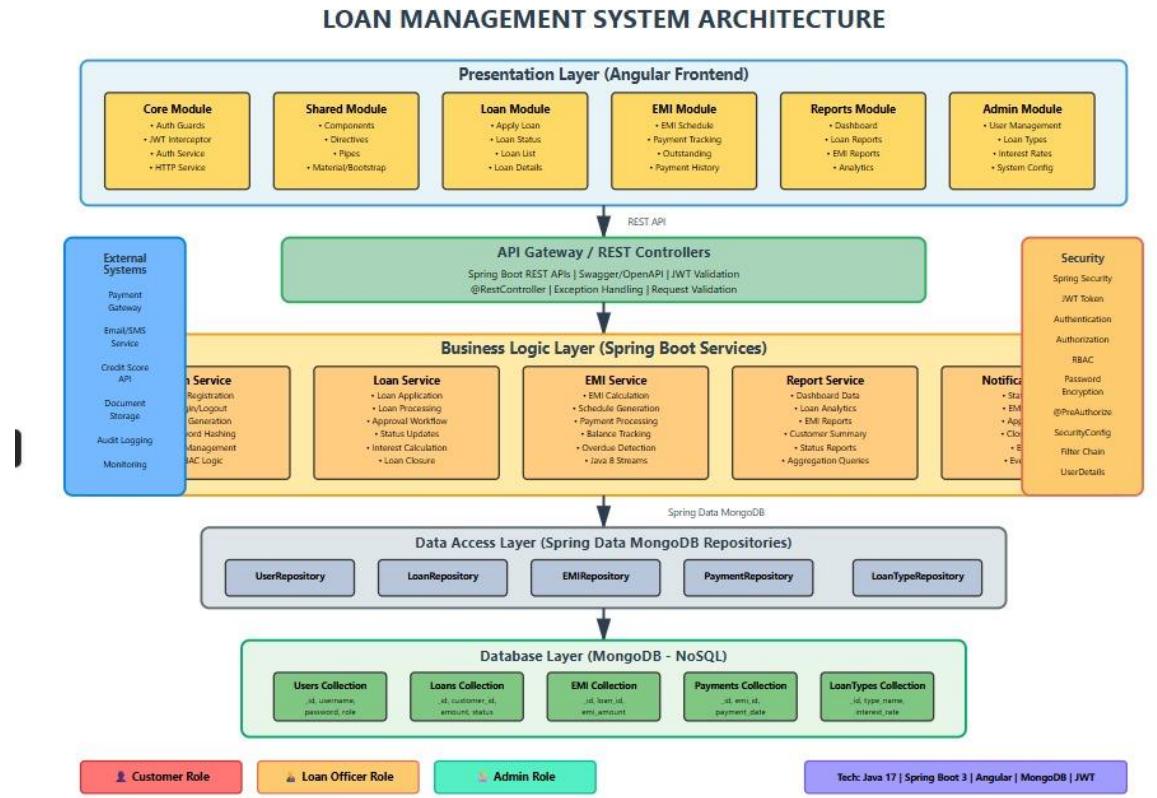
## Microservices Architecture with API Gateway and Kafka



## Event-Driven Microservices Architecture Overview

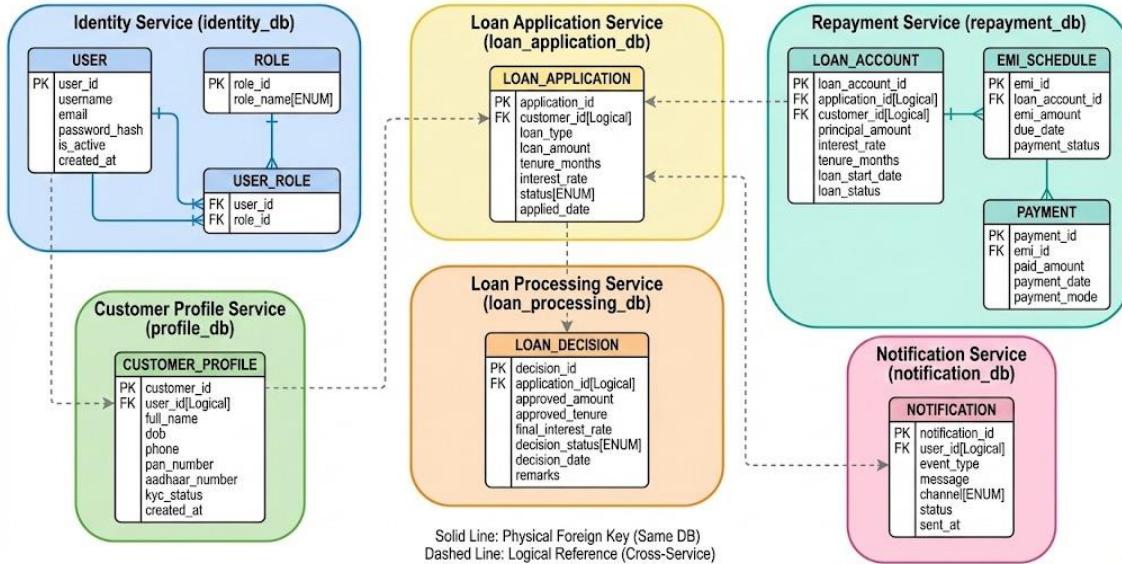


## Layered Architecture – Frontend, Backend, Database



## Entity Relationship Diagram (ERD)

Loan Management System - Data Model (ERD)



Solid Line: Physical Foreign Key (Same DB)  
Dashed Line: Logical Reference (Cross-Service)

## Service Interaction Overview



