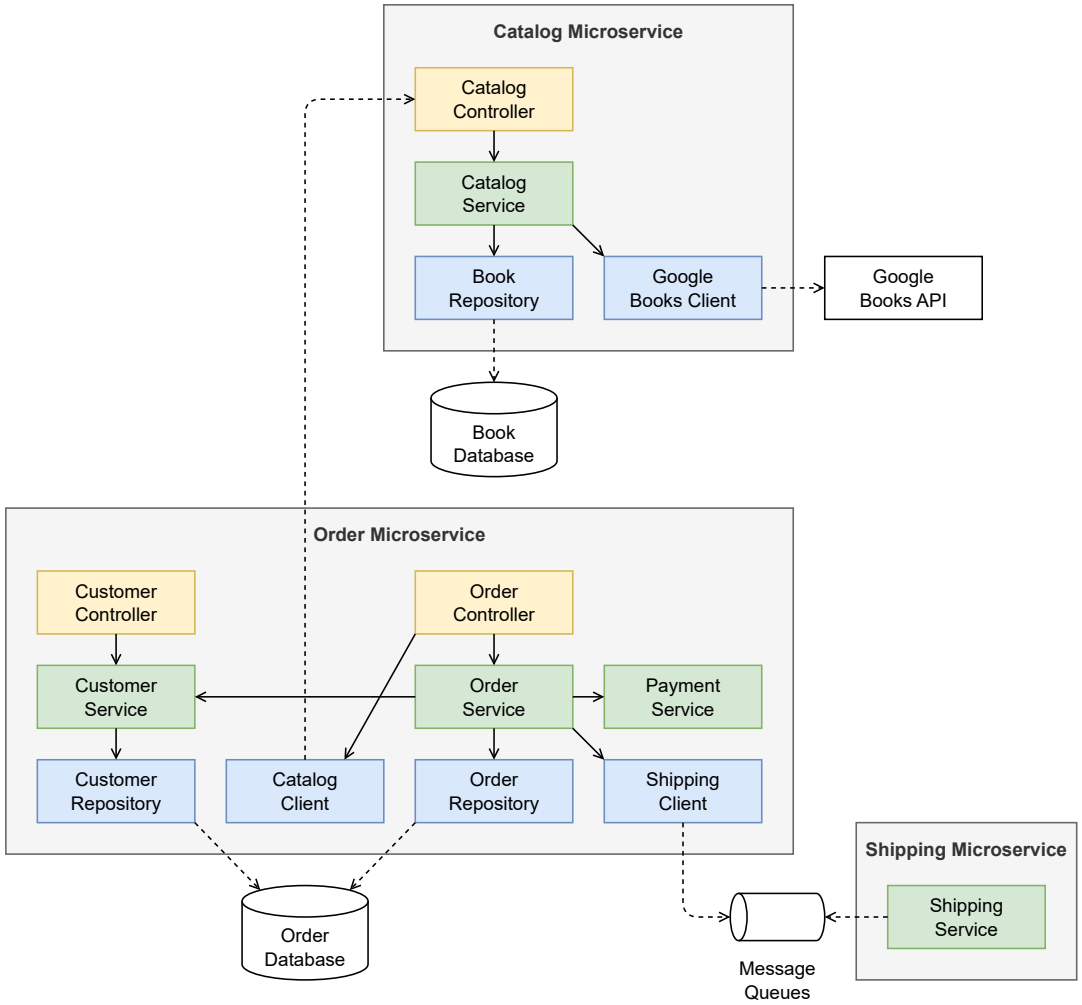
Spring Project

Bookstore: Architecture

The bookstore application is cut into the following microservices:

- The *catalog* microservice provides access to the book catalog. It has its own local database but also accesses the Google Books API.
- The *order* microservice is responsible for the customer and order management. When making an order, it looks up the books in the catalog microservice, makes a payment and sends a message to the shipping microservice.
- The *shipping* microservice simulates the shipping of orders.



Each microservice is implemented as a Spring Boot application and has a classical layer architecture:

- The *presentation* layer consists of controllers that provide a REST interface.
- The *application* layer consists of services that implement the application logic.
- The *integration* layer consists of repositories that access the database and clients that access other microservices.

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