



## Spring Boot Application Architecture Components and Their Roles

### **Controller: Presentation Layer**

- handles incoming HTTP requests
- controls the flow of data in an application
- manages interaction between client and server
- routes and returns HTTP responses to and from the client



### **Repository (DAO): Data Access Layer**

- manages data access to databases and other data sources
- performs CRUD (Create, Read, Update, Delete) operations on data entities
- handles how data is stored and retrieved



### **Service: Business Logic Layer**

- implements business logic and operations
- serves as an intermediary between controllers and repositories



### **Configuration (Config): Configuration Layer**

- stores configuration settings for the application
- manages properties, such as database connections, beans, security, and other sources of data
- allows customization of application behavior



### **Model (Entity): Data Layer**

- represents the data structures of the application
- defines the shape and structure used in the application

