

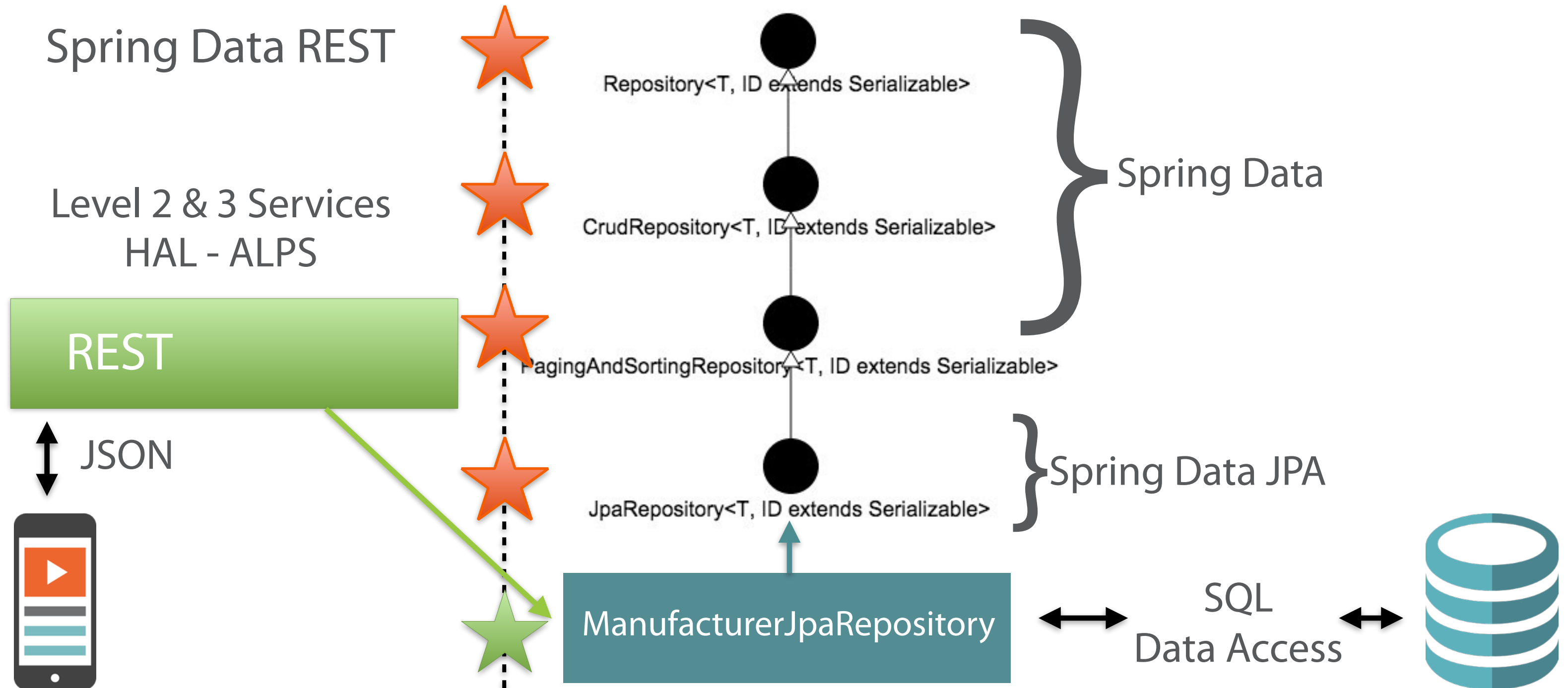
Making Repositories RESTful



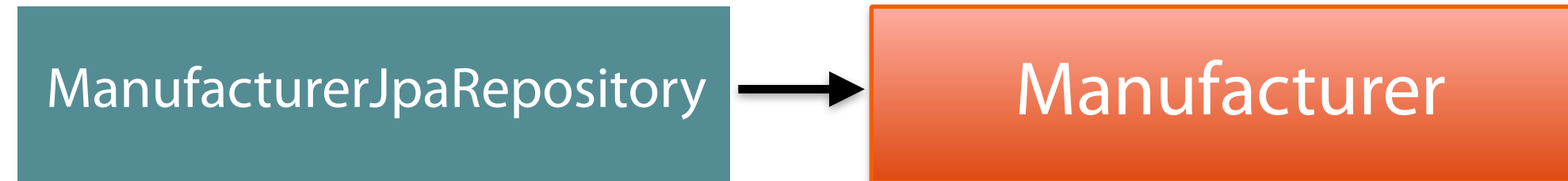
Dan Bunker

<http://www.linkedin.com/in/bunkerdan>

Spring Data Repositories



Spring Data REST Resource Pattern



Pattern -> [http\(s\)://server:port/restBaseUri/manufacturers](http(s)://server:port/restBaseUri/manufacturers)

Concrete Example -> <http://localhost:8080/api/manufacturers>

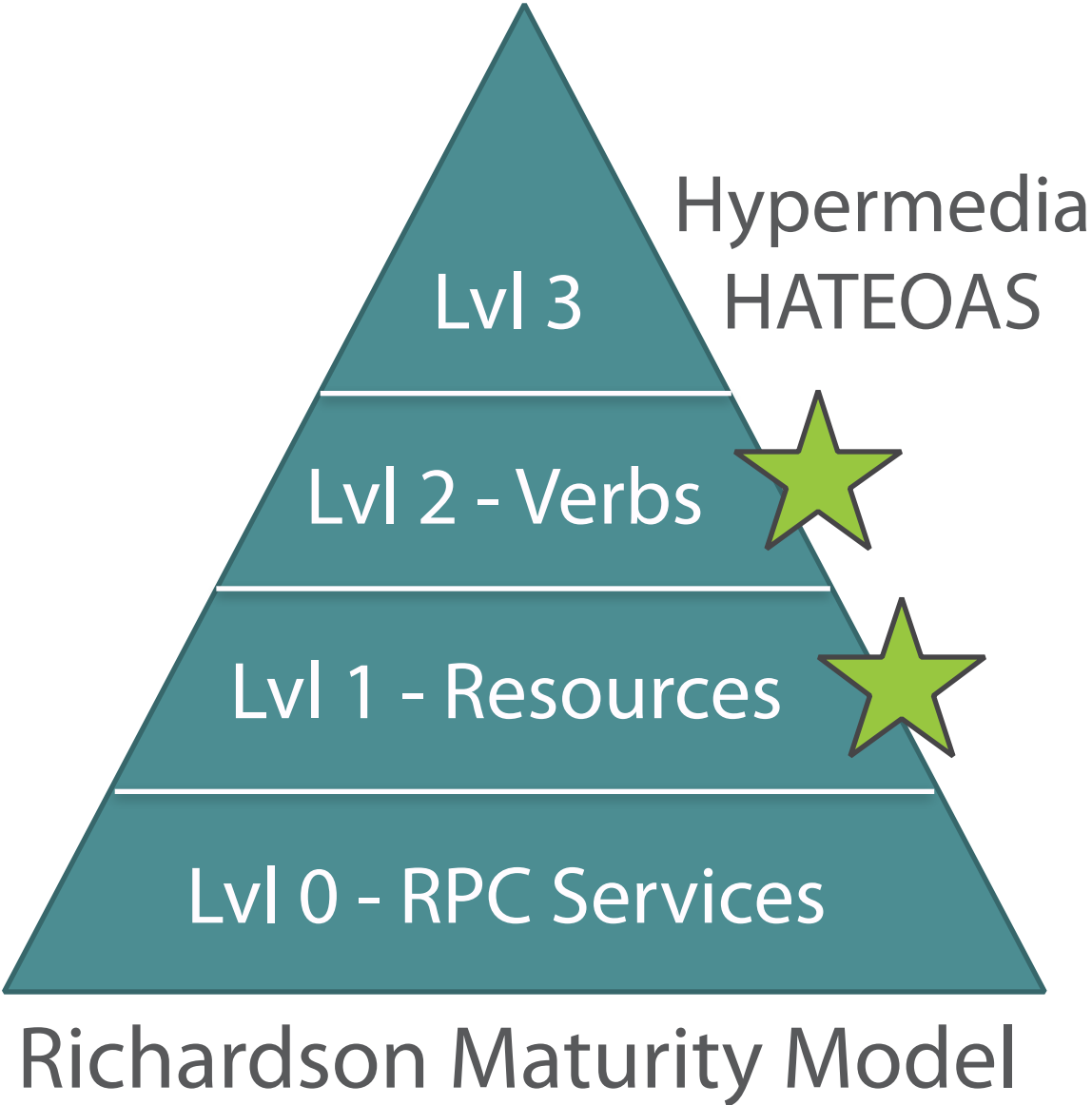
```
@RepositoryRestResource(path="companies")
public interface ManufacturerJpaRepository extends JpaRepository<Manufacturer, Long> {
    ...
}
```

An arrow points from the `path="companies"` attribute in the `@RepositoryRestResource` annotation to the concrete example URL below.

Concrete Example -> <http://localhost:8080/api/companies>

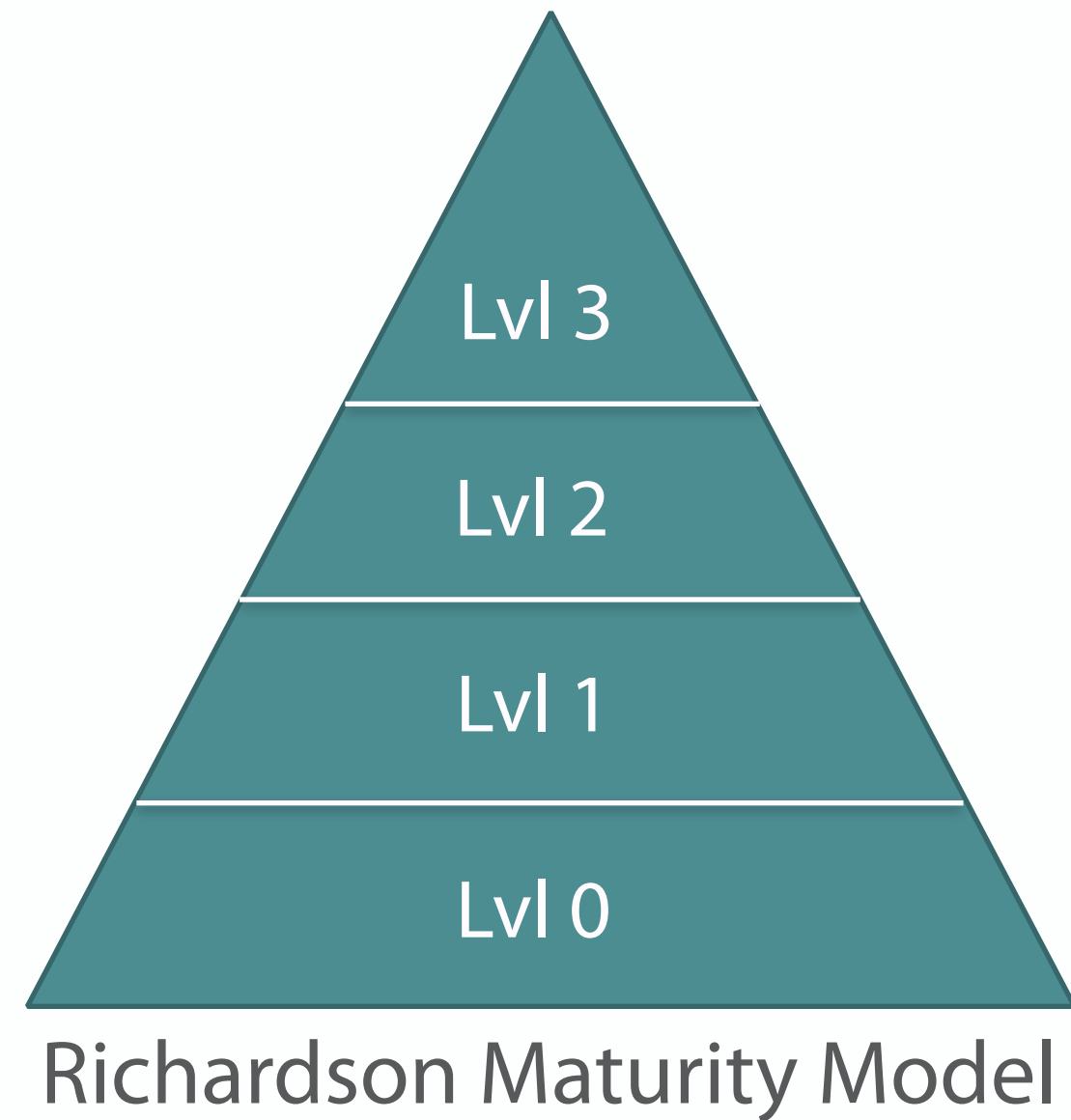
Spring Data REST Resource Pattern

<http://localhost:8080/api/manufacturers>



<i>HTTP Verb</i>	<i>URL</i>	<i>Backing Method</i>
<i>GET</i>	<i>/api/manufacturers</i>	<i>findAll(...)</i>
<i>POST</i>	<i>/api/manufacturers</i>	<i>save(...)</i>
<i>GET</i>	<i>/api/manufacturers/{id}</i>	<i>findOne(...)</i>
<i>PUT</i>	<i>/api/manufacturers/{id}</i>	<i>save(...)</i>
<i>PATCH</i>	<i>/api/manufacturers/{id}</i>	<i>save(...)</i>
<i>DELETE</i>	<i>/api/manufacturers/{id}</i>	<i>delete(...)</i>

Summary



REST and Spring Data repositories

Collection resources

Item resources

Customizing Spring Data REST services

Association resources