Spring Boot REST API Exception Handling
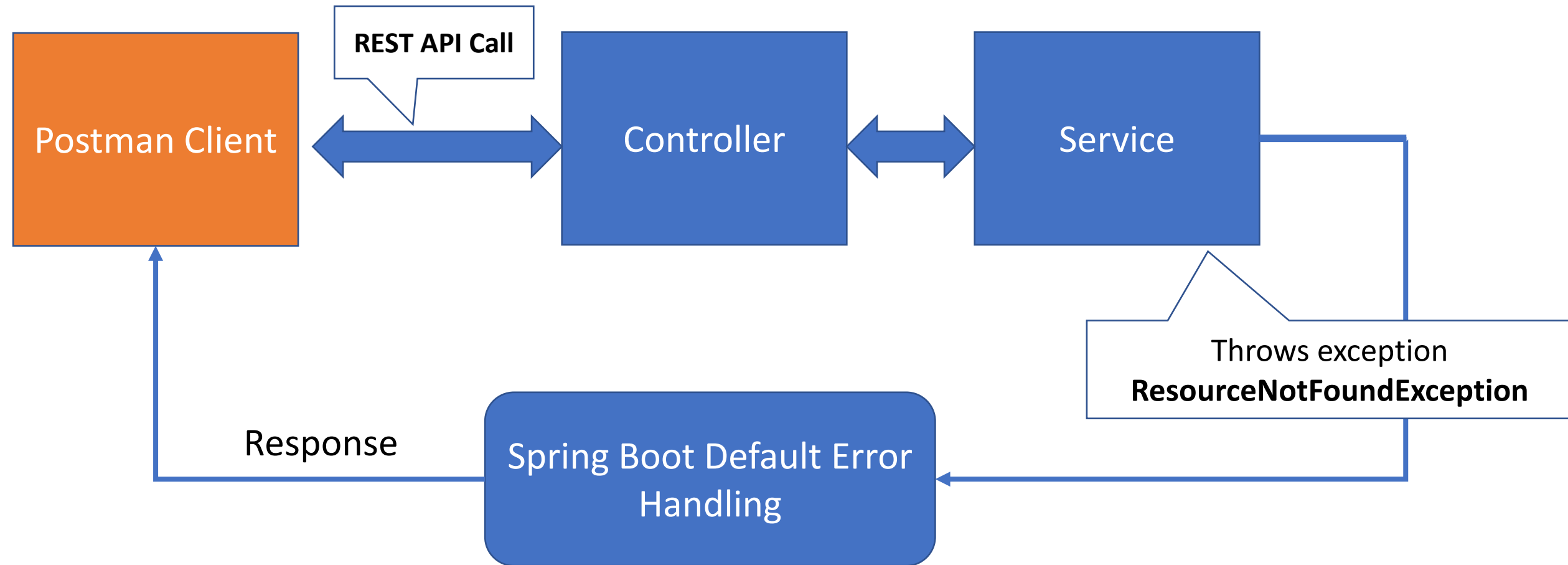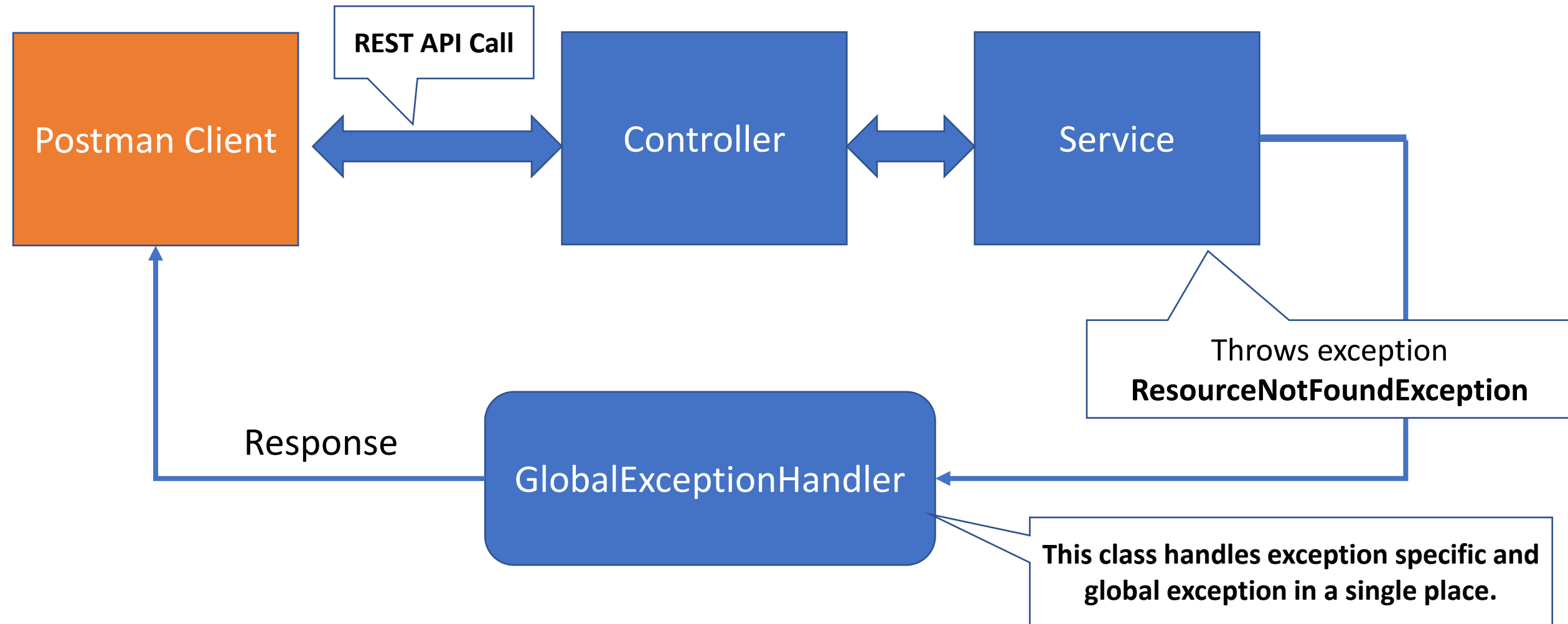
By Ramesh Fadatare (Java Guides)

Spring Boot REST API Exception Handling

Postman Client

REST API Call

Controller

Service

Throws exception
ResourceNotFoundException

Response

GlobalExceptionHandler

**This class handles exception specific and
global exception in a single place.**

By Ramesh Fadatare (Java Guides)

Spring Boot REST API Exception Handling

```json
{
    "timestamp": "2021-02-28T14:15:18.250+00:00",
    "status": 404,
    "error": "Not Found",
    "trace": "com.springboot.blog.exception.ResourceNotFoundException: Post not found with id : '6'……...
    "message": "Post not found with id : '6'",
    "path": "/api/posts/6"
}
```

Spring Boot REST API Exception Handling

```json
{
    "timestamp": "2021-02-28T14:13:47.572+00:00",
    "message": "Post not found with id : '6'",
    "details": "uri=/api/posts/6"
}
```

Annotations for Exception Handling

- **@ExceptionHandler** -The @ExceptionHandler is an annotation used to handle the specific exceptions and sending the custom responses to the client.
- **@ControllerAdvice** - The @ControllerAdvice is an annotation, to handle the exceptions globally.

Development Process

- **Create ErrorDetails Class**
- **Create GlobalExceptionHandler Class**
- **Test using Postman Client**