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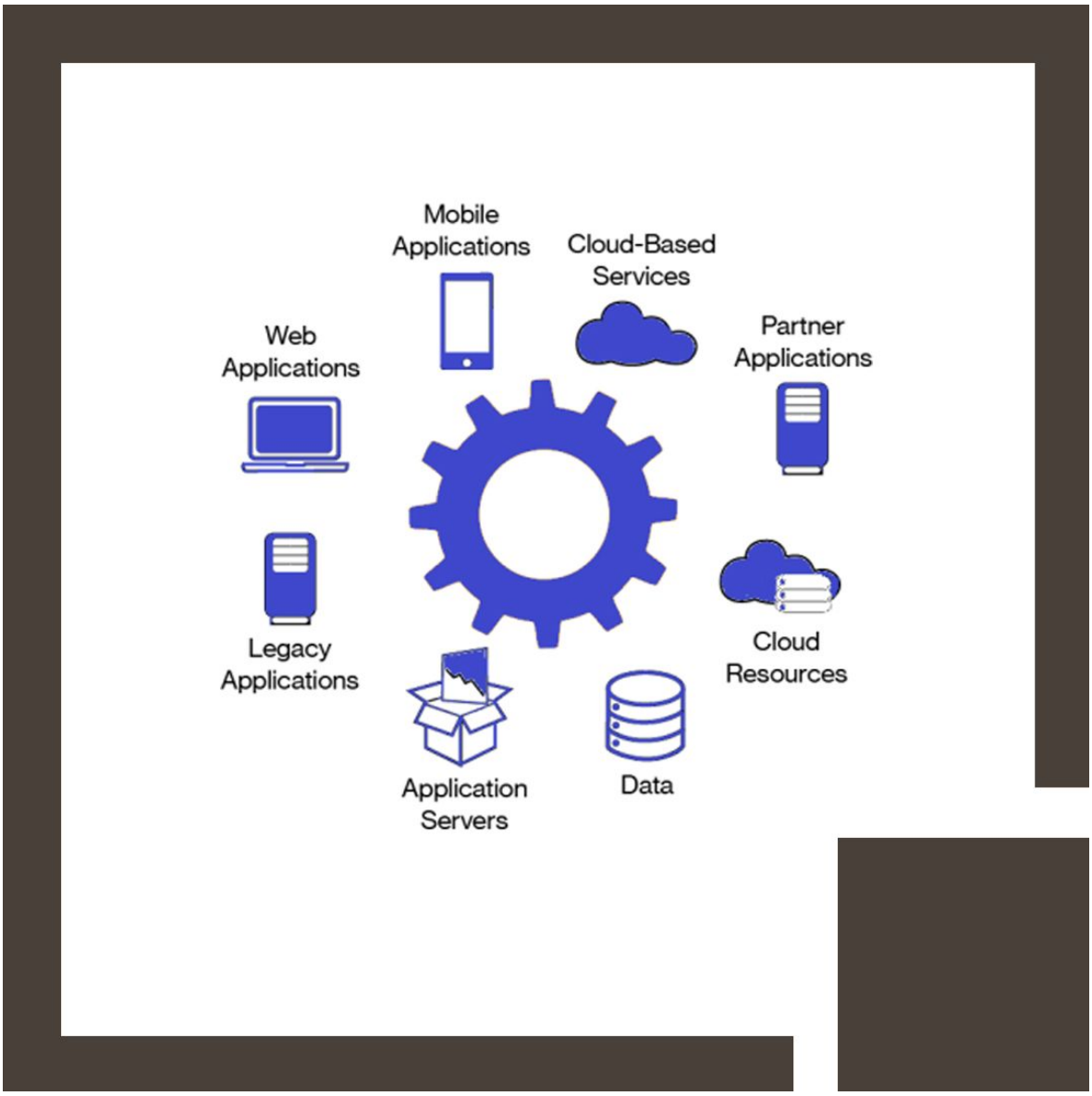
Learning Style: On Demand

Technology:

Difficulty: Beginner

Course Duration: 4 Hours

RESTful Services: Fundamentals



About this course:

Representational State Transfer (REST) is an architecture that defines a set of constraints to be used for creating web services. The web services that are compliant to REST architecture are known as RESTful services. The main distinction of RESTful services is that they provide interoperability between computer systems on the internet. This course covers the fundamental concepts of RESTful services and enables the students to understand the usage and characteristics of REST architecture.

This course gives the students an overview of RESTful Services, as well as teaches them about paths, injection, sub resources, response, form, and exceptions. These fundamental concepts are essential for any web services developer to create RESTful web services. The course can help the students kick start their career in the field of web services development.

The average salary of an API Developer is **$109,716** per year.

Course Objective:

- Get an overview of the RESTful services
- Get introduced to JAX-RS
- Learn about path matching
- Understand paths and annotations
- Understand injection and sub resources
- Get an overview of response builder, form submission and exceptions

Audience:

- Front-end and Back-end developers
- Java programmers
- Developers of RESTful web services

Prerequisite:

- The course has no formal pre-requisites. However, students with software engineering background will find it easier to grasp the concepts taught in this course.

Course Outline:

Chapter 01 - Overview and Paths

- Topic A: Overview - Part 1
- Overview - Part 2
- Overview - Part 3
- Topic B: Overview Continued - Part 1
- Overview Continued - Part 2
- Overview Continued - Part 3
- Topic C: Introduction to JAX-RS - Part 1
- Introduction to JAX-RS - Part 2

- Introduction to JAX-RS - Part 3
- Topic D: Path Matching - Part 1
- Path Matching - Part 2
- Path Matching - Part 3
- Topic E: Paths and Annotations - Part 1
- Paths and Annotations - Part 2
- Paths and Annotations - Part 3
- Review - Question

Chapter 02 - Injection and Sub Resources

- Topic A: Life Cycle - Part 1
- Life Cycle - Part 2
- Life Cycle - Part 3
- Topic B: Injection - Part 1
- Injection - Part 2
- Injection - Part 3
- Topic C: Sub Resources - Part 1
- Sub Resources - Part 2
- Sub Resources - Part 3
- Topic D: Sub Resources Continued - Part 1
- Sub Resources Continued - Part 2
- Sub Resources Continued - Part 3
- Review - Question

Chapter 03 - Response, Form and Exceptions

- Topic A: Response Builder - Part 1
- Response Builder - Part 2
- Response Builder - Part 3
- Topic B: Form Submission - Part 1
- Form Submission - Part 2
- Form Submission - Part 3
- Topic C: Exceptions - Part 1
- Exceptions - Part 2
- Exceptions - Part 3
- Review - Question

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