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## GraphQL

**Duración: 2 Días**    **Código del Curso: GRAPHQL**

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### Temario:

**English - Please note this course is only available in English.**

**Español - Por favor, tenga en cuenta que esta formación solo está disponible en inglés.**

#### GraphQL Course Overview

GraphQL is a query language for APIs and a query runtime engine. It's an increasingly popular alternative to REST given it enables the client to specify the s

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### Dirigido a:

#### Who will the Course Benefit?

This course will benefit developers who are required to build or maintain GraphQL services and/or clients, and anyone otherwise interested in what a GraphQL service is, how it works, and how to build a good one.

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### Objetivos:

- Course Objectives
  - This course aims to provide the delegate with the skills and knowledge necessary to design and build good quality GraphQL services.
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### Prerequisitos:

■ Delegates attending this course should have some knowledge of, or experience in, software development. Ideally delegates will be comfortable coding in Java, Python, or JavaScript to a fundamental level. This knowledge can be gained by attendance on one of the following courses.

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### Siguientes cursos recomendados:

#### Further Learning

- Core Spring
  - Python Programming 2
  - Developing Node.js Web Applications
  - REST APIs
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## Contenido:

### GraphQL Training Course Course Contents - DAY 1

#### Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

#### Session 1: PREREQUISITES

- APIs
- Web apps
- Web services
- HTTP
- JSON
- Serialisation
- REST APIs

#### Session 2: GRAPHQL THEORY

- The problem with REST APIs
- What is GraphQL?
- The composition of a GraphQL service
- Queries and mutations
- Schemas and types

#### Session 3: GRAPHQL SERVICES

- Building a GraphQL service with:
  - Spring Boot (Java) or;
  - Ariadne (Python) or;
  - Apollo (JavaScript)

#### Session 4: GRAPHQL CLIENTS

- Building a GraphQL client with:
  - HttpClient (Java) or;
  - GQL (Python) or;
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#### Session 5: QUERIES

- Arguments
- Aliases
- Fragments
- Operation names
- Variables
- Directives

#### Session 6: TYPES

- Arguments
- Lists
- Non-null fields
- The query and mutation types
- Scalar types
- Enum types
- Union types
- Input types
- Interfaces

#### Session 7: MORE GRAPHQL THEORY

- Validation
- Execution
- Introspection
- Best practices

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## Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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