GraphQL

Duration: 2 Days Course Code: GRAPHQL

Overview:

English - Please note this course is only available in English.
Nederlands - Let op: deze training is alleen in het Engels beschikbaar.

Français - Veuillez noter que ce cours est uniquement disponible en anglais. **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

Target Audience:

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.

Objectives:

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

Prerequisites:

- 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.

Follow-on-Courses:

Further Learning

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

Content:

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;
-

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

Further Information:

For More information, or to book your course, please call us on 0800/84.009

info@globalknowledge.be

www.globalknowledge.com/en-be/