GraphQL using Nodejs and Spring Boot Netflix DSG Framework

Total Duration: 3 Days

Day 1
Module 1:
Setup Java Spring boot 3.x & GraphQL with DSG Framework
- Hello GraphQL
- Query Nested Data
- Data Resolver From Gradle Plugin
- GraphQL "Overloading"
- ID Data Type
- Extended Java Scalar Library
- Enumeration
- Interface
- Schema Documentation
- Union
- Mutation
- Http Headers
- Subscription

Module 2:
Create GraphQL With Database Schema
- Core Object Types
- Relationship & Query
- Mutation
- Subscription
- Coding Preparation
- Underlying Data (Spring JPA)
- Bean Mapping
- GraphQL Components - Skeleton
- Query Resolver - Problem
- Query Resolver - Item Search

Day 2
- Data Resolver - User Login
- Exception Handling - Theory
- Exception Handling - Code
- Mutation Resolver - Problem
- Mutation Resolver - Solution
- Subscription Resolver – Problem(Kafka/RabbitMQ)
- Subscription Resolver – Solution

Module 3
Securing GraphQL Operations

- Mutation Resolver - User Administration
- Securing User Administration 1
- Securing User Administration 2

Day 3
Module 4
Java Client Preparation (Intro)

- Java Client 1
- Java Client 2
- Java Client Using Apollo
- Apollo - Query
- Apollo - Mutation
- Apollo – Subscription
- Swagger
- Postman

Module 5
Define Graph Model

- Task: Define Graph Model
- Guided Challenge: Define Graph Model
- Full Solution: Define Graph Model