### Introduction

In this lesson, we'll get a walkthrough of what this chapter holds for us.

#### WE'LL COVER THE FOLLOWING

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- Why are microservices so important?
- Chapter walkthrough

#### Technical MicroArchitecture

## Why are microservices so important? #

One of the **strengths** of microservices is that different technologies can be used in *each individual microservice*.

The technologies in the microservices can be defined as part of the microarchitecture (see chapter 3).

However, there are **technical challenges** to consider when **selecting technologies** for microservices.

## Chapter walkthrough #

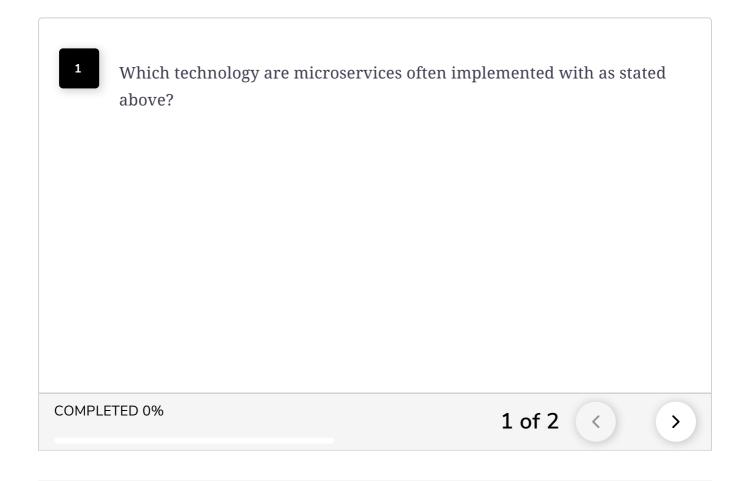
This chapter explains how to deal with the technical microarchitecture:

- The reader gets to know the **requirements** regarding, e.g., operation or resilience, which the microarchitecture has to fulfill.
- Often microservices are implemented with **reactive technologies**. Thus, the chapter discusses this option in more detail and explains when this

approach makes sense.

- As a concrete example of technical microarchitecture, the chapter shows
  Spring Boot and Spring Cloud.
- Based on Spring Boot and Spring Cloud, the chapter shows how the technical requirements the microarchitecture has to address can be fulfilled.
- In addition, the chapter shows how the **programming language Go** in conjunction with appropriate frameworks fulfills the requirements **for implementing microservices**.

# QUIZ



In the next lesson, we'll start with the first point from the list above and discuss the requirements, a technology for implementing microservices has to fulfill.