Course details

Web services have been at the core of modern application architectures for many years. Regardless of what language or platform a developer is using, grasping how web services work and how to implement them are critical skills. In this course, instructor Kesha Williams steps through how to work with several popular technologies to build web services. Kesha begins by laying the groundwork for the course, explaining what web services are and the benefits they provide. She then offers a comparison of several popular web service technologies—REST, SOAP, and GraphQL—describing each technology's messaging formats in detail, along with examples of coding in several languages using a variety of server- and client-based implementations. Plus, get coding excerpts in Java, Python, and Swift.

Learning objectives

What is a web service?

Securing web services

Consuming and creating a RESTful API

Documenting an API

Creating a web service

Consuming a SOAP web service

Developing APIs using GraphQL

Skills covered

Web Services API