

Price: R8,400.00 excl. VAT
Duration: 3 days
Delivery: Virtual classroom or
on-site training

Angular Development

Description

Angular is a popular cross-platform JavaScript framework, originally developed by Google. It is used by many organisations to develop web applications.

The Angular Development course is for JavaScript programmers who want to use Angular to develop faster, better applications. The course will teach you how to use Angular directives and components to develop single-page applications. You will also learn the differences between TypeScript and JavaScript.

Objectives

After you have completed the Angular Development course, you will be able to:

- Understand the role of Angular in application development.
- Understand the concept of MVC, and template-driven development.
- Write single-page applications using Angular.
- Maintain code for applications written using Angular.

Intended Audience

You should attend the Angular Development course if:

- You are a JavaScript programmer and you want or need to use Angular.
- You need to be able to support applications developed in Angular.
- You are a JavaScript programmer and you want to develop web applications.

Prerequisites

Before you attend the Angular Development course:

- You must have attended our HTML and CSS course or have experience using HTML and CSS.
- You must have attended our JavaScript Programming course or already be comfortable programming in JavaScript.

Course Contents

Introduction

- The concept of a framework.
- Angular versions.
- Cross-browser compatibility.
- Single-page applications.

Fundamental Concepts

- Anatomy of an Angular app.

- The MVC pattern.
- Differences in syntax.

Introduction to TypeScript

- Classes and interfaces.
- Modules.
- Decorators.

Directives

- Built-in directives.
- Custom directives.

Angular Components

- Templates, styles and view encapsulation.
- Content projection.
- Reusable components.
- Lifecycle hooks.
- ViewChildren and ContentChildren.

Data Binding

- Signals.
- Model-driven forms.
- Template-driven forms.
- Form validation.
- Filters.

Other Topics

- Modules and services.

*** The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.*