



Angular 7 Fundamentals

Duration: 5 Days **Course Code: GK0788**

Overview:

In this course, you will learn how to develop client browser based applications using the AngularJS framework. You will learn how to use the open source AngularJS framework and combine this with powerful REST services on the back-end to build single page applications (SPA). With the knowledge gained from this course, you will be able to create your own rich and powerful SPAs that keep all their state in the browser and communicate with RESTful services on the backend in order to retrieve and persist data.

Target Audience:

Experienced web developers with a minimal of 6 months web development who want to:
Start building rich client side web applications using AngularJS

Create rich Single Page Applications

Learn the power of JavaScript and the browser

Objectives:

- How to use the AngularJS framework in a modern web application
 - Advantages of SPA style web applications
 - How to use REST services from your AngularJS application
 - Create custom HTML elements using AngularJS directives
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Prerequisites:

- Experienced web developers with a minimum of six months web development and experience with JavaScript
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Content:

Day 1	There are few applications that do not need to communicate with the server using AJAX	when to use a service or a factory, where to do validation or when to use the routing
JavaScript Refresher	calls. In this module we will take a look at the \$http and \$resource services provided by	module resolve option versus dependency injection. In this module we will take a closer
but that is not the case. In this module we will take a look at some of the JavaScript	AngularJS to perform AJAX requests. You will learn how to interact with server-side	look at some of these choices and explore the pros and cons of the different options.
features that are important to understand when working with a framework like AngularJS.	RESTful services asynchronously using AngularJS's built-in networking features.	Building custom AngularJS Directives
AngularJS Introduction	Data entry using AngularJS	AngularJS ships with an impressive and very useful set of standard directives, yet they
This module provides in an overview of the AngularJS Model View Controller framework.	will examine the different features AngularJS offers to create data entry forms and	are only the beginning. In this module you will learn how to enhance and expand the
After this module you will have a basic understanding of the different parts of the	perform data validation on the client.	HTML language by creating your own custom AngularJS directives. These custom
AngularJS architecture and how to use them.	Using Routing to create SPAs	directives will let you add behavior to DOM elements as well as create reusable UI
Services ; Factories	Traditional web applications perform full page loads when the user navigates from page	widgets. Using the techniques learned in this module, you will be able to turn HTML into
Moving functionality from controllers into reusable services makes for a much better	to page. In this module you will learn how to use the routing features of AngularJS to	your own domain specific language (DSL).
architected application and is considered a best practice. In this module you will learn	create an application where this navigation is done only on the client's machine. This	Testing AngularJS applications
about most of the standard services AngularJS provides as well as how to create your	allows us not only to navigate much faster but also to retain state on the client browser	The way AngularJS is architected results in a highly testable application. In this module
own. We will also take a look at the different options for creating reusable modules and	■ between the different parts of our application.	you will learn the various ways of testing your own application. We will look at both unit
■ services you can use.	Day 3	testing individual components as well as doing end-to-end testing of the complete
Day 2	AngularJS Patterns	■ application by automating the browser.
AngularJS and Ajax	When building AngularJS application you will be faced with many choices. For example	

Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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