

Angular

Our **Angular Training Course** is intended for front-end developers who are familiar with Javascript and want to master Angular to move a gear up. Angular is the leading framework for building dynamic JavaScript applications that take advantage of the capabilities of modern browsers and devices. The course is updated for Angular 6 .

Prerequisites

[JavaScript](#)

Object – Orientation as taught in [Beginner Java](#) / [Beginner Python](#)

Further training

[Node.JS](#)

[MEAN Stack](#)

[Flutter / Dart](#)

Intended Audience

This course is for developers with basic familiarity with HTML, CSS, Javascript and object-oriented programming like [Java Beginner](#), [Python Beginner](#), [C# Beginner](#). No TypeScript or AngularJS experience needed. Developers who found that JavaScript alone is inadequate to develop a rich, fully-fledged front-end. Our Angular Training Course starts with the MVC pattern and the many benefits that can be gained from separating your logic and presentation code. We then start from the nuts-and-bolts and building up to the most advanced and sophisticated features in Angular, going in-depth.

After this course

You should be able to :

- Develop a state-of-the-art web app connecting to a Firebase back-end or any REST-based API back-end like Java, .NET, PHP or Python.
- Become a front-end (Angular) developer

DAY 1

Introduction

- What is Angular?
- Overview of Angular Apps
 - Modules
 - Components
 - Services
 - Directives
- Setting Up
 - Installing Node
 - Installing TypeScript
 - Installing Typings
 - Installing Angular CLI
 - TypeScript Editor
 - Chrome Browser
- Creating a New Project with Angular CLI
 - Project File Review
- Editing Our First Angular Component

Creating and Using Components

- Creating Our First Component
- Using Our Created Component
 - `app.module.ts`
- Component Templates
 - Displaying a line with `*ngFor`
- Services
- Dependency Injection
 - `providers`

Bindings

- Property Binding
- CSS Class Binding
- Binding to User Input Events
- Example Application

DAY 2

Working with Components

- Input Properties
- Styles
- Example Application

Conditional Rendering, Pipes and Ng-Content

- ngIf
 - ngIfElse
- ngSwitch
- Pipes
- Custom Pipes
- ng-content
 - Multiple Insertion Points

Template Driven Forms

- Create the User Model Class
- Revising app.module.ts
- Creating an initial HTML Form Template
- Using *ngFor to Display Options
- Two-way data binding with ngModel
 - Show and Hide Validation Error messages
- Showing Specific Validation Errors
- Submit the form with ngSubmit
- Getting Submitted Values

DAY 3

Model Driven Forms

- Building a Basic Login Form
- Creating Controls Explicitly
 - Implementing Validation
 - Submitting the Form
 - app.component.ts
- Using FormBuilder
- Implementing Custom Validation
 - login.component.ts
 - login.component.html
- Validating Upon Form Submit
 - login.component.html

Introduction To Observables

- Observables
- Creating an Observable from DOM events
- Observable Operators
 - filter operator
 - debounceTime Operator
 - distinctUntilChanged Operator

Getting Data From RESTful APIs with Observables

- GitHubRESTful API
- Getting Data
- Dependency Injection
- ngOnInit
- Showing a Loader Icon
- Implementing a GitHub Results Display page

DAY 4

Routing

- Enabling Routing
- Setting Up Our Routes
- Router Outlet and Links
 - Router Outlet
 - Router Links

- Adding a new Router Link
- Route Parameters
 - Specifying Route Parameters
 - Retrieving Route Parameters
- Imperative Navigation
- Route Guards
 - RouteGuard CanActivate
 - RouteGuard CanDeactivate
 - app.routing.ts
 - AppModule

Structuring Large Apps With Modules

- NgModule
- Restructuring
- Restructuring GitHubModule
- Restructuring LoginModule
- Restructuring AppModule
 - app.module.ts
- Restructuring Routes
 - app.routing.ts
 - app.module.ts

DAY 5

C.R.U.D. with Firebase

- About Firebase
- Using Firebase
- Adding Firebase to our Angular App
 - app.module.ts
 - app.component.ts
- Working with a Firebase Database
- Displaying List of Users
- Adding a user
- AngularFirestore Add
 - dirty tracking
- Retrieving a Single User and Deletion

- Deleting a User
- Populating the Form on Edit
- Updating a user
- Working with multiple user signup and authentication

Own Project

=====

Duration and pricing

In [Pricing Group A](#)

Certificate

Read about our [certificates here](#).

Bookings

You can download the course registration form on our home page or by clicking [here](#)

Brochure

You may download a pdf copy of this page by clicking on the pdf icon at the top of the page.

Questions

Please [email us](#)

Schedule

On the calendar below. If your browser doesn't display the calendar below, please click on [this link](#) or try using [Google Chrome](#), alternatively please enquire via our [Contact Us](#) page.