

Contact Details:-

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Experience In Training:- 15 Years

Angular 7 Syllabus:-

Module 1: Introduction

- Course Objectives
- Course Outline
- What is Angular
- Why use Angular

Module 2: AngularJS to Angular 7

- What's Changed
- Semantic Versioning

Module 3: Introduction to Typescript

- Why Use Typescript
- Basic Types
- Classes and Interfaces
- Type Definitions
- Compiling Typescript

Module 4: ES2015 Primer

- Let and Const
- Template Strings
- Lambda Functions
- Modules

Module 5: Environment Setup

- Node / NPM
- Polyfills
- TypeScript
- Module Bundler (Webpack)

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- Code Linting
- Test Setup
- Application File Structure
- Angular CLI
- Code Editors

Module 6: Getting Started

- Our First Component

Module 7: Modules

- Why use Modules
- NgModule
- Declarations
- Providers
- Imports
- Bootstrapping
- The Core Module
- Shared Modules

Module 8: Components

- Introduction to Components
- Component Architecture Patterns
- Decorator Metadata
- State & Behaviour
- Inputs and Outputs

Module 9: Templates

- Inline vs External
- Template Expressions
- Data Bindings
- Built-in Structural Directives
- Built-in Attribute Directives

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Module 10: Custom Directives

- Types of Directive
- Create your own Structural Directive
- Create your own Attribute Directive

Module 11: Pipes

- Built-in Pipes
- Custom Pipes

Module 12: Services

- Introduction to Services
- Building a Service

Module 13: Dependency Injection

- Introduction to Dependency Injection
- Injectors & Providers
- Registering Providers

Module 14: Lifecycle Hooks

- Component LifeCycle
- Using ngOnInit
- All lifecycle Hooks

Module 15: Change Detection

- What is Change Detection
- Zone.js

Module 16: Routing

- The Component Router

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- Defining Routes
- Navigation
- Route Params
- Child Routes

Module 17: Advanced Routing

- Route Guards
- Route Resolves

Module 18: Template-driven Forms

- Introduction to forms
- Template-driven forms
- Validation

Module 19: Model-driven Forms

- Introduction to 'Reactive' forms
- FormGroup & FormControl
- Validators

Module 20: Asynchronous Operations

- Introduction to Async
- Promises
- Observables
- Async Pipes
- HTTP Request / Response

Module 21: Advanced HTTP

- Headers & Request Settings
- Providing HTTP

Module 22: Component Styling

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- Introduction to Angular Styling
- Component Styling
- Shadow DOM
- Loading Styles

Module 23: Animation

- Introduction to Animations
- State & Transitions
- Animatable Properties
- Keyframes

Module 24: Testing

- Introduction to Testing
- Unit Testing
- E2E Testing

Module 25: Security

- Security in Angular
- Sanitization
- Trusting Values
- Cross-site Request Forgery

Module 26: Internationalization

- Pre-compiled and runtime
- Using ng2-Translate

Module 27: Performance

- Change Detection Strategy
- Running outside the Zone

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- Web Workers

Module 28: Optimization & Deployment

- Precompiling (AoT)
- Lazy Loading
- Deployment Best Practices
- Production Mode

Module 29: Upgrading from AngularJS 1.X to Angular 7

- Introduction to Upgrading
- Project Preparation
- Upgrade Adapter

Module 30: Native Applications

- Introduction to Native
- Cordova
- Ionic
- React Native
- NativeScript
- Progressive Web Apps
- Electron

Module 31: Server-side Rendering

- Introduction to Server-side Rendering
- Angular Universal

Module 32: Conclusion and Resources

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