

ANGULAR COURSE CONTENT

Introduction To Web Technologies

- What is Web
- What are the Requirements to build End to End Web Application?
- What are the Challenges in modern web development?
- What is a Stack?
- Typescript Deep Dive-Type Script Architecture

Basic Types

- Variable declarations
- Interfaces
- Classes
- Functions
- Generics
- Enums
- Type inference
- Type compatibility
- Advanced types
- Symbols
- Iterators
- Modules
- Namespaces
- Namespaces vs modules
- Module resolution declaration merging
- Decorators
- Introduction To Angular

Evolution of client side technologies

- What is Angular JS?
- What is Angular?
- Angular vs Angular JS
- Various versions of angular
- Angular architecture
- MVC and MVW Overview

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- SPA Overview
- Angular Versions
- New Features added for Angular8
- IVY
- Angular Universe
- PWI : Progressive WebApps Introduction
- Performance Improvement Overview
- Setting Up Environment For Angular

Installing node

- GIT
- Yarn
- Angular
- Angular Architecture

Basic building blocks of angular application

- Intro to modules
 - NgModule meta data
 - NgModules & components
- NgModules & javascript modules
 - Angular libraries
- introduction to components

Component meta data

- Templates&views
- Template syntax
- Data binding
- User input
- String interpolation
- Component styles
- Angular element
- Angular directives
- Structural Type Directives
- Attribute Type Directives
- HostsListeners

- HostBinding
- Attribute
- Property& Attribute binding
- Property Binding vs Interpolation
- Class binding
- Event binding
- Custom event
- Nested components
- Communication Between components
- Component life cycle
- LifecycleHooks
- Angular Pipes

What is pipe?

- Built-in angular pipes
- Creating custom pipes
- Registering & Integrating pipes
- Angular Services

Introduction to service & dependency injection

- Providing service
- Creating custom service
- Consuming & registering service
- Angular Forms

Intro to forms in angular

- Various types of forms in angular
- Difference between template driven & reactive forms
- Common foundation
- Form model setup
- Setup in template driven forms
- Data flow in forms
- Form validation

- Dynamic forms

Validating reactive & template driven

- Form state validation
- Input state validation
- Custom validation
- Observables&Rxjs

About observables

- RXJS library
- Use of observable in angular
- Compare RXJS with other techniques
- NG Modules

JS modules vs ng modules

- Frequently used ng modules
- Single ton service
- Lazy loading feature modules
- Sharing ng modules
- Ng module API
- Dependency Injection

Angular dependency injection

- Hierarchical injection
- DI providers
- DI in action
- HttpClient

Set up HTTP client

- Consume service from other technologies
- Creating API(REST API)
- Using node js
- Create API in node js

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- Handling communalization using MEAN
- Mongo data base

Express middleware

Angular client APP

- Node js server side
- Creating and end to end app
- Handling CRUD operations
- Routing & Navigation
- Router imports
- Router configuration
- Router outlet
- Router links
- Routing Resolvers
- Routing Guards
- Nested Routes
- Active router links
- Router state
- Router events
- Angular Animations

Transition & Triggers

- Complex sequences
- Route transition animations
- Angular Materials
- Tables
- Forms
- Tabs
- Grid Layout
- List Layout
- Unit Testing In Angular

Karma with jasmine

- Create unit tests

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- Testing angular app
- Advanced Topics

JWT Tokens

- Optimization Concepts
- Lazy Loading Overview
- Angular Universal

More about Placements***

1. Resume preparation
2. Mock Interviews
3. Interview Tips & Tricks
4. How to fill academic and professional gap
5. Placement Assistance **
6. Cracking Interview