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**Experience In Training:-** 15 Years

### What are Web Applications?

- 1. The Challenge with Web Apps (SPA)
- 2. SPA or Web App's?
- 3. To bind or not to bind? this is the question
- 4. MVC or MVVM Frameworks
- 5. Why AngularJS?

#### **AngularJS Building Blocks for Building SPA**

- 1. Template & live data binding (Directives & \$scope)
- 2. Model, View & Controller (MVC)
- 3. Dependency Injection (AngularJS services)
- 4. Modules
- 5. LAB: TV Show SPA

### Forms in AngularJS

- 1. ng-model directive
- 2. ngModelController & FormController
- 3. Custom Validation
- 4. Input directive

### **AngularJS Filters**

- 1. Filter Syntax
- 2. AngularJS Filters
- 3. Custom filters

#### Communication

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- 1. \$.Ajax vs. \$http
- 2. \$resource
- 3. Promises (\$q) vs. Calbacks
- 4. Offline / Online
- 5. LAB: Full TV Show Web App

## **AngularJS Internal**

- 1. AngularJS Startup Process
- 2. AngularJS Runtime
- 3. Scope API (\$id, \$watch & \$apply)
- 4. Scope Communication
- 5. Template Services:
- 6. Injector Service
- 7. Modules
- 8. Caching
- 9. \$provide service
- 10. Routing

#### **Custom Directive**

- 1. Template
- 2. Scope
- 3. Compile function
- 4. Link function
- 5. Controller
- 6. Transclude
- 7. Animation

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8. Tips & tricks

### **Routing and Navigation**

- 1. \$location service
- 2. ng-view directive
- 3. \$route service and route object
- 4. Navigation flow
- 5. Routing broadcasted events
- 6. Resolve option and promise
- 7. Cancelling route changes

### **AngularJS Testing**

- 1. Unit Testing (Jasmine.js)
- 2. AngulrJS Mock API's (ngMock)
- 3. Unit Testing Tools
- 4. E2E Testing
- 5. ngMockE2E \$httpBackend
- 6. Protractor Tool

# **AngularJS Animation**

- 1. CSS3-enabled Animations
- 2. Directive That Support Animation
- 3. JavaScript-enabled Animations
- 4. Using Animations in your own directives

# **AngularJS Tips & Tricks**

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- 1. Optimization & Performance
- 2. Debugging
- 3. Localization
- 4. Mobile
- 5. AngularJS External Module

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