



Get Started with Angular2 Development : Webinar

Speaker: Shailendra Chauhan (Microsoft MVP, Founder and CEO of Dot Net Tricks)

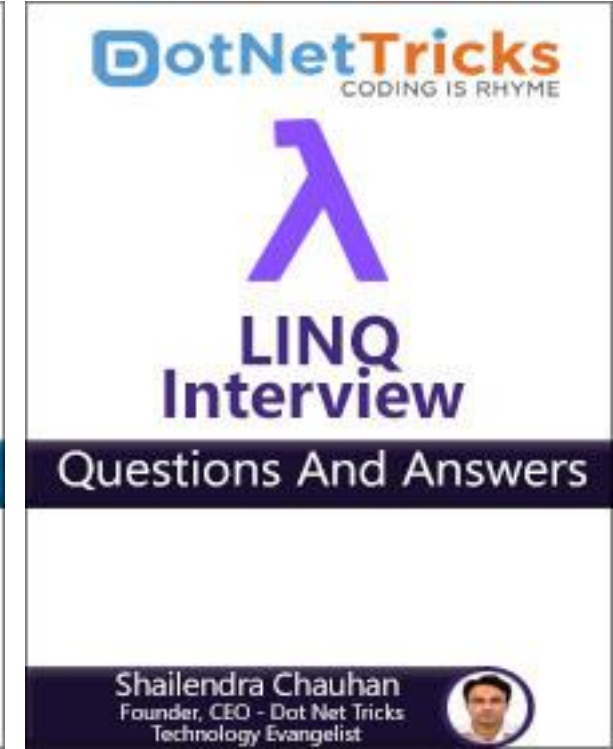
About Me

Hi, I'm Shailendra Chauhan

- Author
- Architect,
- Corporate Trainer
- Microsoft MVP
- Founder and CEO of Dot Net Tricks



Author of Most Popular Free e-Books



Agenda

- Introduction to Angular2
- Angular2.x vs. Angular1.x
- Building Blocks of Angular 2
- Modules
- Components
- Data Binding
- Directives
- Job Trends
- Developer Salaries
- Get Started with Angular2 Development
- Get Mastery in Angular 2 and AngularJS 1.x

Introduction to Angular2

- Modern, faster and highly scalable
- One framework for mobile and desktop apps
- Not an update to Angular1.x, since scope, controller, service and factory are not available
- Written in Typescript
- Simple and Expressive
- Web components based architecture
- Hierarchical Dependency Injection

Angular2.x vs. Angular1.x

- | | |
|--|--|
| <ul style="list-style-type: none">• Based on Components• Improved DI• Supports web components• Mobile first• ES5, ES6, TypeScript or Dart• Angular CLI• Class is only way to define service• Run on client-side & server-side | <ul style="list-style-type: none">• Based on Controller, Scope• Supports DI• Doesn't support web components• Not built with Mobile first• ES5, ES6 and Dart• Doesn't have CLI• Service is defined by using factory, service, provider, value, constant• Run on client-side only |
|--|--|

Angular2.x vs. Angular1.x

- bootstrap function is used to initialize
 - Supports Pipes
 - Supports camelCase syntax ngModel, ngClass
 - Uses HTML DOM element properties and events
 - Uses () for events and [] for properties
- ng-app and angular.bootstrap function are used to initialize
 - Supports Filters
 - Supports spinal case syntax like ng-model, ng-class
 - Uses its own directives like ng-click, ng-show, ng-src etc.
 - Don't supports () and [] based syntax for events and properties

Building Blocks of Angular 2

- Modules
- Components
- Templates
- Decorators
- Metadata
- Data binding
- Directives
- Pipes
- Nested Components
- Routing
- Forms
- Services
- Dependency injection

Modules

- Angular2 is modular
- Angular has its own modularity system called Angular modules or NgModules
- Every Angular app must have at least one module, the root module, named as AppModule

Angular/core

Angular/router

Angular/forms

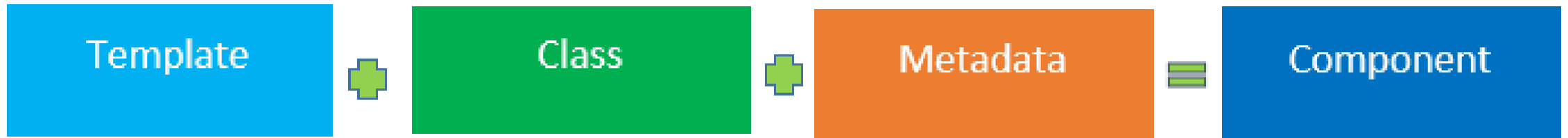
Angular/http

Modules

- Every Angular app must have at least one module, the root module, named as AppModule
- An Angular module is a class with an @NgModule decorator
- Angular also has built-In library modules starting with the @angular as prefix.
- Built-In library can be installed using npm manager

Components

- A reusable UI segment visible to the end user
- Used to specify html elements and logic for user interaction
- In Angular 1, this is achieved through view, controller, and scope



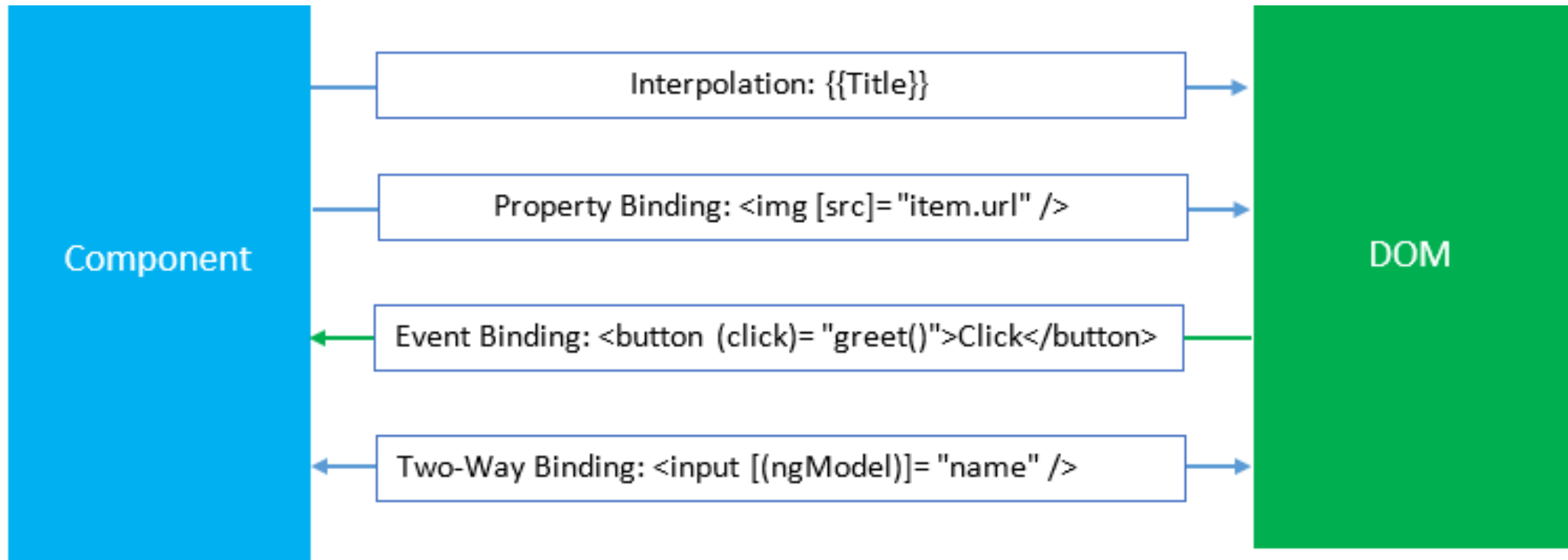
Components

```
import { Component } from '@angular/core'; //Component decorator

@Component({
  selector: 'my-app',
  template: `<h1>{{pageTitle}}</h1>
  <p>Two Way Data Binding : <input type="text" [(ngModel)]="Name"/></p>
  <p>Normal Data Binding : {{Name}} </p>
  <p>Events : <button type="button" (click)="showDetails()">Click</button></p>`
})
export class AppComponent { //ctrl + scope + view = component
  pageTitle: string = "Angular2 App";
  public Name: string
  constructor(){
    this.Name="Shailendra";
  }
  showDetails() {
    alert("Hi, my name is "+this.Name);
  }
}
```

Data Binding

- A mechanism for pushing data values into the HTML elements and turning user activities into actions and data value updates

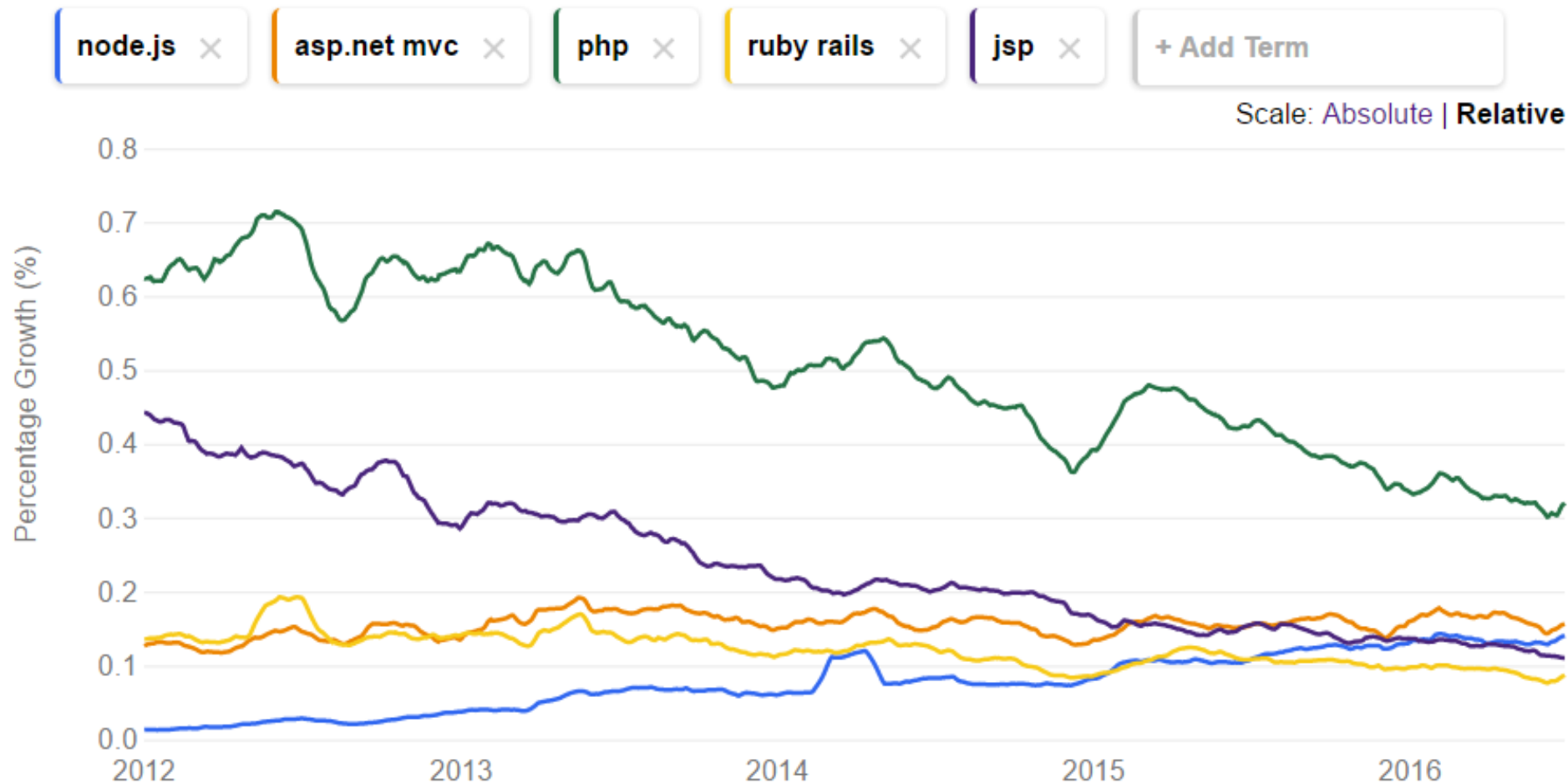


Directives

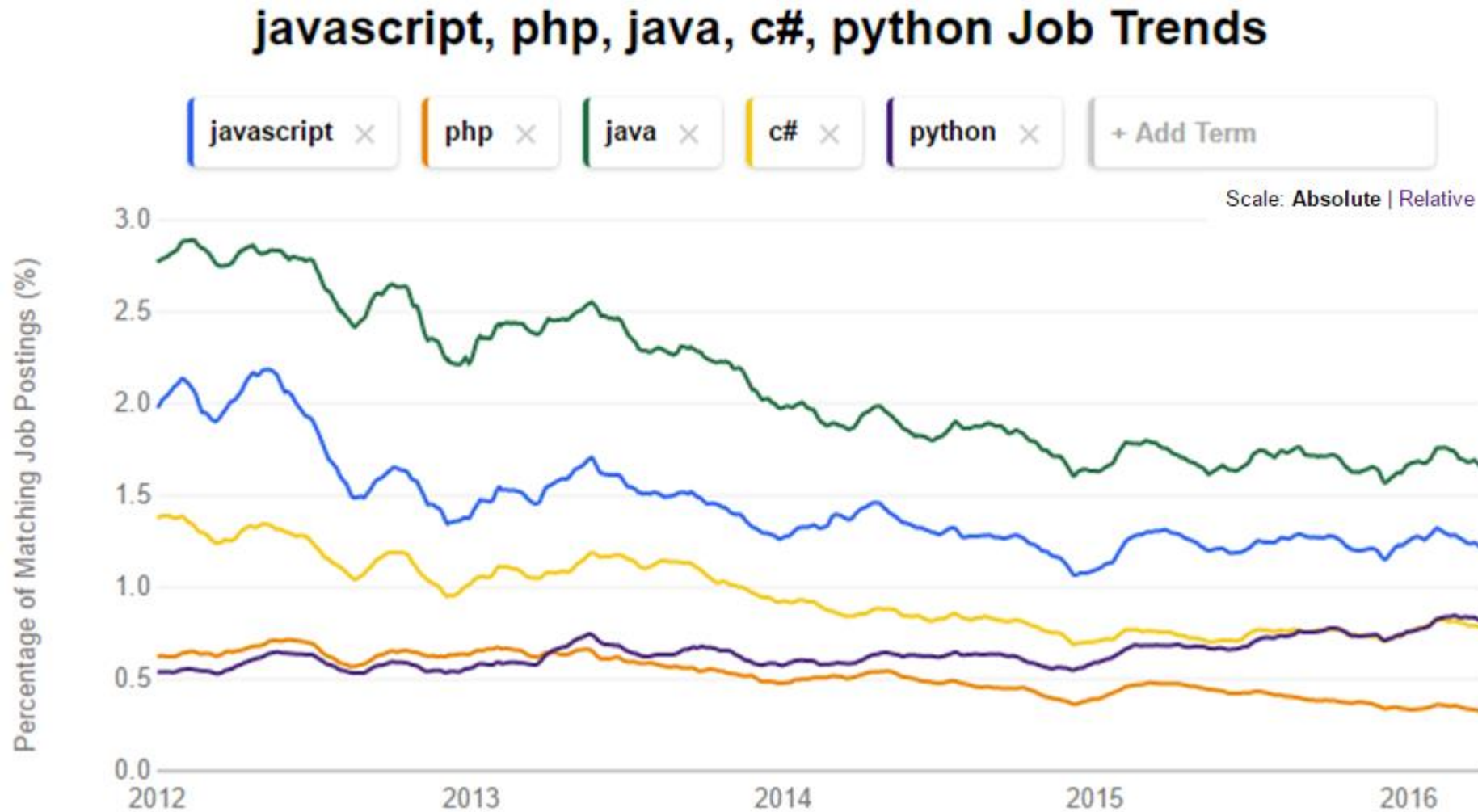
- Html elements or attributes used to extend the power of Html
- A directive is a class with directive metadata
- There are four kinds of directives in Angular2
 - Components – A directive with a template
 - Structural directives – *ngIf, *ngFor, *ngSwitch
 - Attribute directives – ngModel, ngStyle, ngClass
 - Custom directives – Your own directive

Web Development Framework Job Trend

node.js, asp.net mvc, php, ruby rails, and jsp Job Trends



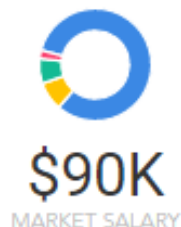
Programming Languages Job Trends



Developer Salaries



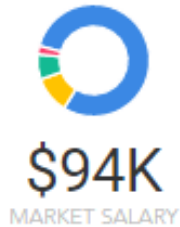
Php Developer



Base Salary	\$80K
Annual Bonus	\$8K
Percent Equity	0.20%
Signing Bonus	\$7K



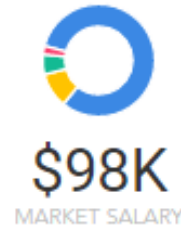
Java Developer



Base Salary	\$81K
Annual Bonus	\$11K
Percent Equity	0.46%
Signing Bonus	\$7K



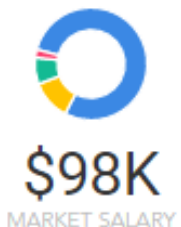
Microsoft.Net Developer



Base Salary	\$86K
Annual Bonus	\$11K
Percent Equity	0.33%
Signing Bonus	\$6K



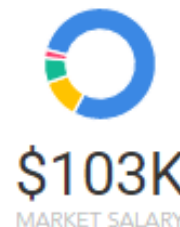
Ruby ON Rails Developer



Base Salary	\$86K
Annual Bonus	\$13K
Percent Equity	0.23%
Signing Bonus	\$8K



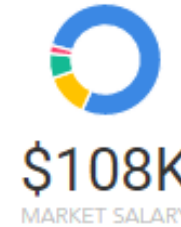
Javascript Developer



Base Salary	\$88K
Annual Bonus	\$13K
Percent Equity	0.28%
Signing Bonus	\$8K



Python Developer



Base Salary	\$91K
Annual Bonus	\$15K
Percent Equity	0.069%
Signing Bonus	\$8K



Get Started with Angular2 Development

- JavaScript IDE – VS Code, Brackets, Atom, WebStorm
- Node.js – 6.x or higher
- Express
- Node.js ORM Sequelize (MS SQL Server, MySQL, SQLite)
- RDBMS - MS SQL Server, My SQL
- Typescript
- ES6

Get Mastery in Angular 2 and AngularJS 1.x



ANGULARJS DEVELOPMENT

★★★★☆ Reviews | 1365 Learners

[Course Agenda](#)

Master in Angular 2 and AngularJS 1.x by developing Single Page App. At the end of this course, students will be able to use Angular and Node.js to develop an end-to-end Single Page App.



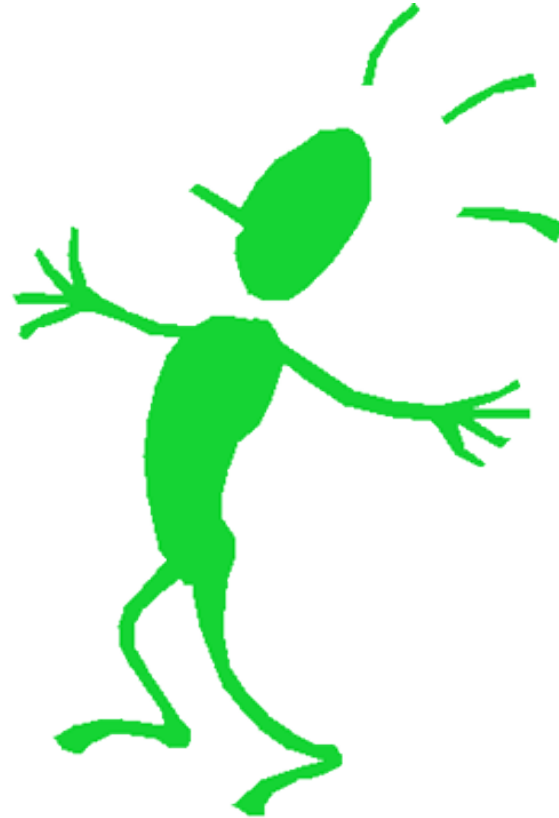
COURSE PREVIEW

Type	: Project-based Training Program
Audience(s)	: UI Developer(s)/Web Developer(s)
Tools/IDE	: Visual Studio Code, Webstorm
Delivery method(s)	: Instructor-led Classroom/Online Training

PRICING DETAILS

~~₹14,250/\$240~~
₹12,250/\$190

Q&A



THANK
YOU!

