

AngularJS Application Development in a TypeScript World



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Finding Balance in TypeScript and AngularJS

Type All the Things

TypeScript
Interfaces



IntelliSense in
the IDE



Compile Time
Checking

Teamwork



```
export interface IBlogPostService {  
    getTotalCount(): number  
}  
class BlogPostService implements IBlogPostService { }
```

```
constructor(blogPostService: IBlogPostService) {  
    var vm = this;  
    vm.totalPosts = blogPostService.  
}
```

 getTotalCount





*The TypeScript journey is
fraught with peril*

*With exposure and training
one can prevail*

AngularJS Pieces to Cover in This Module



Major role of TypeScript interfaces

Development workflow benefits

TypeScript module gotchas

TypeScript and the “this” keyword

AngularJS directive as a TypeScript class

Leveraging TypeScript Interfaces in AngularJS

TypeScript Module Namespacing Residue

TypeScript Module Namespace Collisions

Working with the This Keyword

TypeScript Source Maps and the This Keyword

AngularJS Directives as TypeScript Classes

Recap

What We've Learned



TypeScript interfaces supercharge our dev workflow

TypeScript module namespacing turns into a global object

TypeScript module names can collide on a substring level

Lambda syntax for functions most of the time, but occasionally need classic syntax

Source maps in browsers have trouble with this keyword

TypeScript classes for AngularJS directive separation of concerns