

The Latest on TypeScript

Just a few questions...

Language Overview

Demo

What is TypeScript?

3



#1 Superset of JavaScript

#2 Optional Static Typing



#3 Features from the Future ES6, ES7

Launched in October 2012

LUCASFILM
Ltd



Open Source Project

<https://github.com/Microsoft/TypeScript>

Anders Hejlsberg

Turbo Pascal, Delphi, C#





ng-conf



AngularJS 2 & TypeScript

Tooling

Use the Editor of Your Choice



1.4 & 1.5 Features

tsconfig.json


```
1  {
2    "version": "1.5.3",
3    "compilerOptions": {
4      "target": "es5",
5      "declaration": false,
6      "noImplicitAny": false,
7      "removeComments": true,
8      "noLib": false,
9      "sourceMap": true,
10     "module": "system",
11     "experimentalDecorators": true
12   },
13   "filesGlob": [
14     "**/*.ts",
15     "!./node_modules/**/*.ts"
16   ],
17   "files": [
18     "./backup/lodash.d.ts",
19     "./demos/destructuring.ts",
20     "./demos/for-of.ts",
21     "./demos/let-const.ts",
22     "./demos/union-types-type-guards.ts",
23     "./language-overview/main.ts",
```

Union Types & Type Guards

Demo

Template Strings

Demo

let & const

Demo

for..of

Demo

Destructuring

Demo

Computed Properties

Demo

Decorators

What are decorators?

Demo

How are decorators
being used?

```
1. // Annotation section
2. @Component({
3.   selector: 'my-app'
4. })
5. @View({
6.   template: '<h1>Hello {{ name }}</h1>'
7. })
8. // Component controller
9. class MyAppComponent {
10.   name: string;
11.
12.   constructor() {
13.     this.name = 'Alice';
14.   }
15. }
```

AngularJS 2

<https://angular.io/docs/js/latest/quickstart.html>

```
import {inject} from 'aurelia-framework';  
import {HttpClient} from 'aurelia-http-client';  
  
@inject(HttpClient)  
export class Flickr{  
  constructor(http){  
    this.http = http;  
  }  
}
```

Aurelia

<http://eisenbergeffect.bluespire.com/aurelia-update-with-decorators-ie9-and-more/>

ES6 Modules

Demo

Installing TypeScript



Roadmap

<https://github.com/Microsoft/TypeScript/wiki/Roadmap>

Why Should I Care?

TypeScript is Just a Tool

Increased Productivity =
Happier Developers

Higher Quality Solutions =
Happier Users

Learn JavaScript

A large yellow square containing the text 'ES6' in a bold, dark blue, sans-serif font.

ES6

Resources

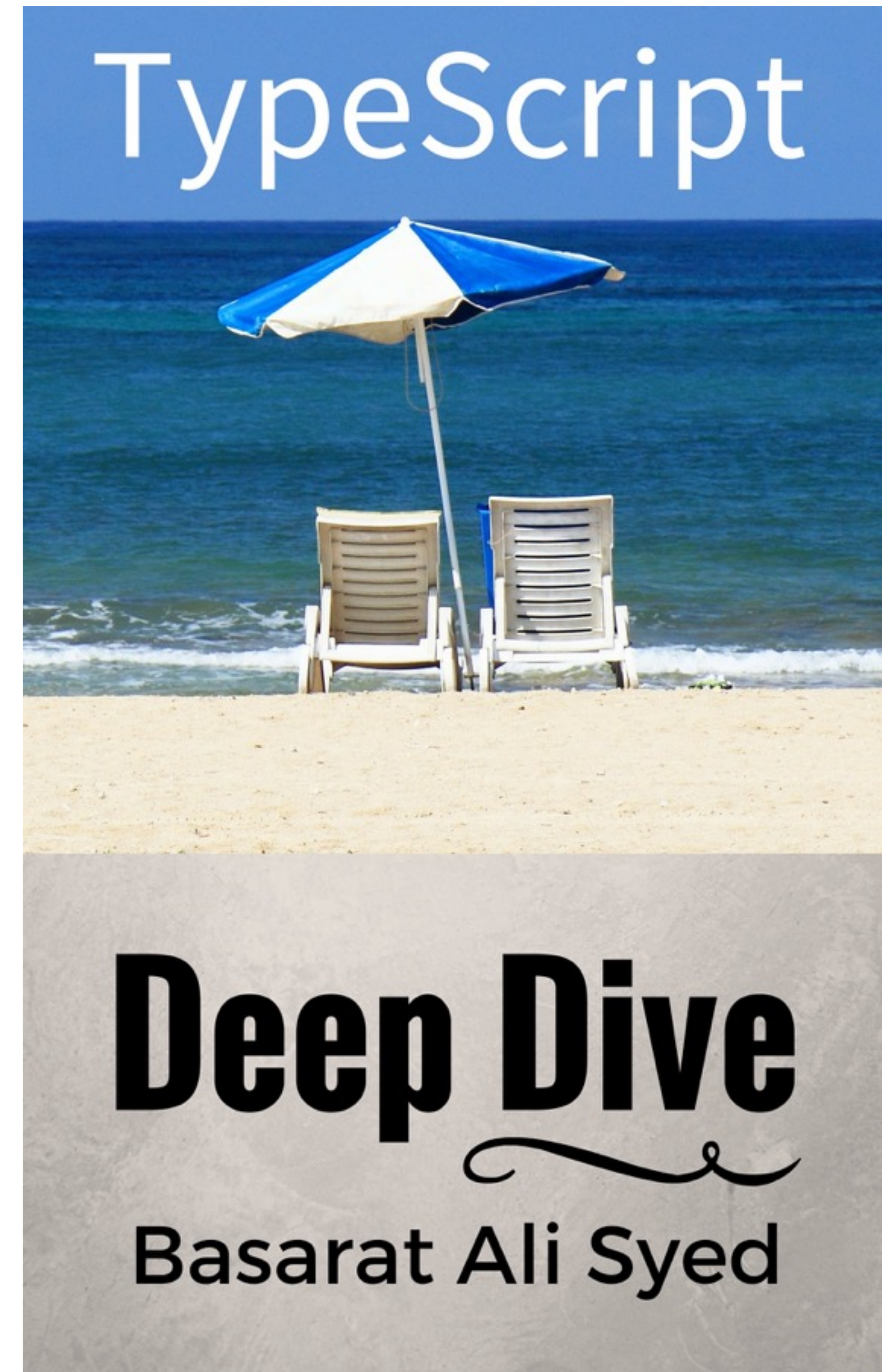


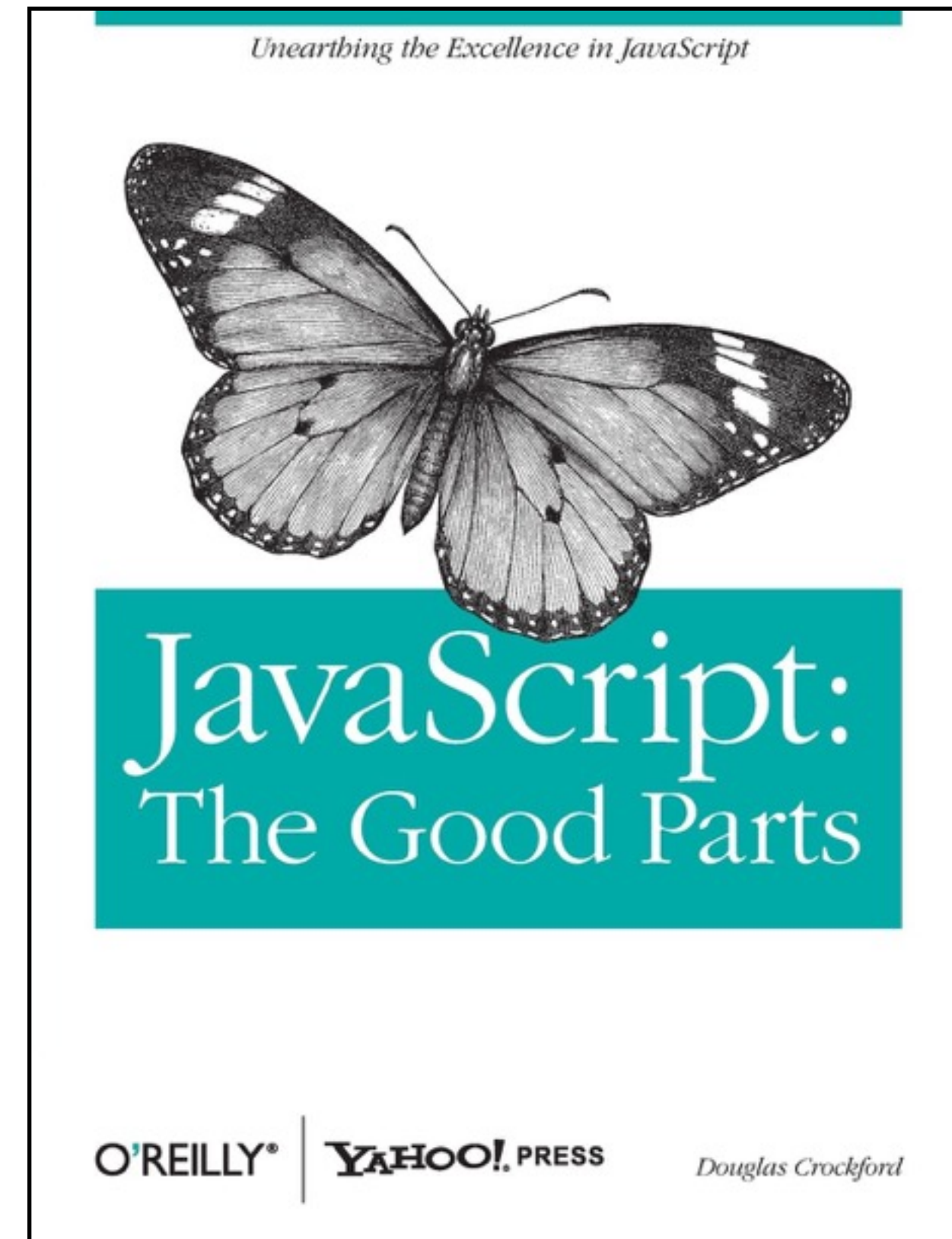
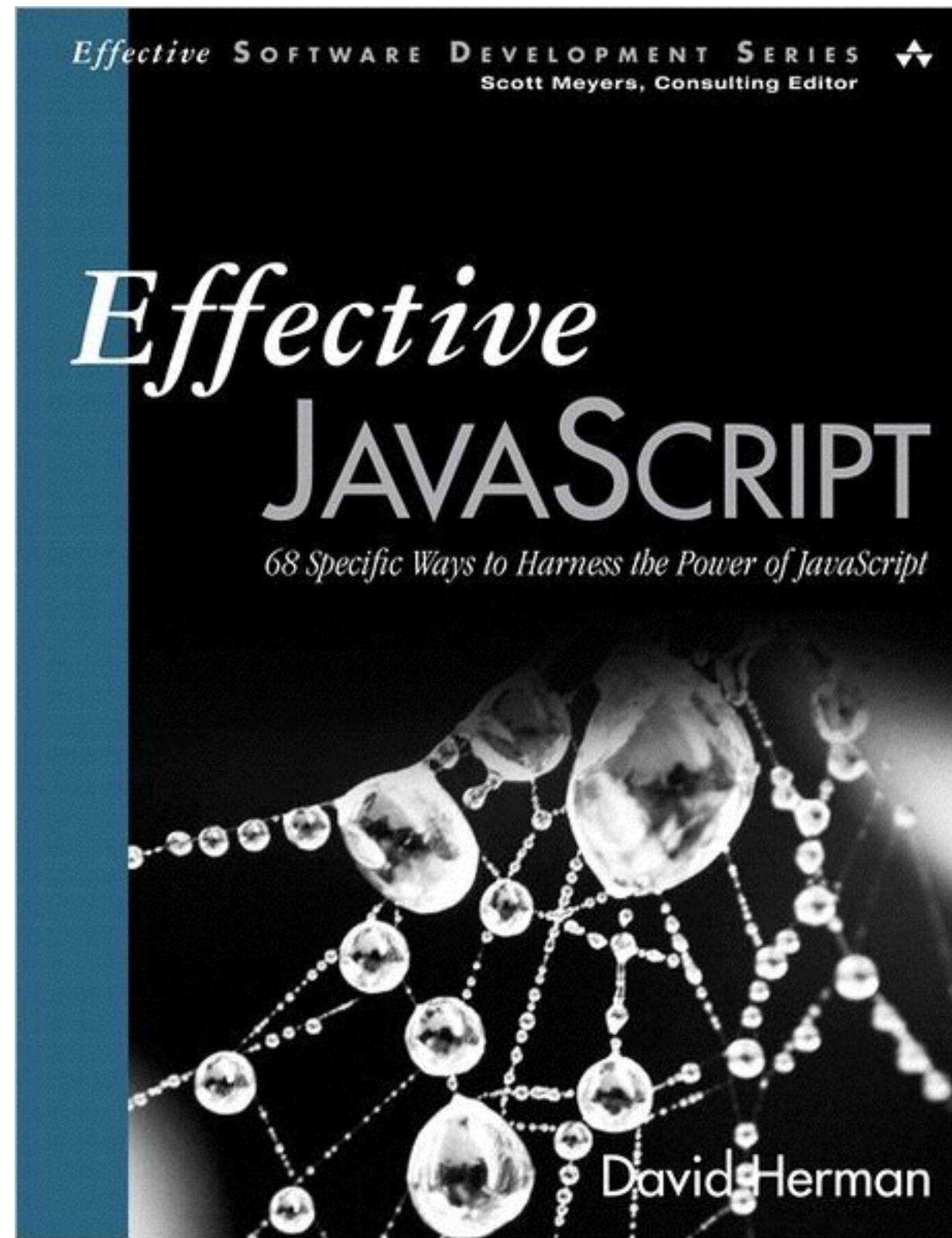
Official TypeScript Site

<http://www.typescriptlang.org/>

Free Book!

<http://basarat.gitbooks.io/typescript/>





Awesome Portland Community



Andrew Chalkley

<http://blog.teamtreehouse.com/getting-started-typescript>



Adron Hall

<http://compositecode.com/2015/07/26/typescript-up-in-my-webstorm-typescript-editor-shootout-typescriptpdxcopy/>

Portland TypeScript Meetup

<http://typescripdpdx.com/>



TypeScript PDX

typescriptpdx.com

TS

#PDX

Meetup

GitHub

Twitter


About

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RSS

Slack Invitation

Next Meeting: What's New in the TypeScript World




Jonathan Turner, program manager for the TypeScript team, will be joining us to talk about what's new in the TypeScript world. Be sure to not miss this special guest!

RSVP

Date: August 12, 2015 Time: 6:00 PM Location: CSG Pro - 734 NW 14th Ave, Portland, OR 97209


Meeting #4: TypeScript Editor Shootout



Join us for our July meeting where Adron Hall, Ken Howard, James Churchill, and Andrew Chalkley will be presenting a "TypeScript Editor Shootout" talk.

Date: July 15, 2015 Presenters: Ken Howard, James Churchill, Adron Hall, Andrew Chalkley


Meeting #3: Introduction to the TypeScript Toolchain



Join us for our June meeting where John Richter will be presenting "Introduction to the TypeScript Toolchain".

Date: June 11, 2015 Presenter: John Richter [Reference material and slide deck](#)

Meeting #2: Introduction to TypeScript Take Two - Classes,



Edit

#TypeScript

Christopher Supnig

@csupnig

1h

I finally found a way to extend classes in [#typescript](#) and use [#angular](#) filesort! Yeeey :)

Expand

Jeremy Morgan

@JeremyCMorgan

1h

Hey [#Portland](#) area developers, meet me tonight at for a discussion about the latest on [#TypeScript](#) --> [buff.ly/1Dr7AKR](#)

Show Summary

TechWars

@TechWars_io

4h

We compared [#typescript](#) vs [#haxe](#) - see results: [techwars.io/fight/typescri...](#)

Muki Seiler

@muuki88

9h

Really need some time for [#typescript](#) [infoq.com/news/2015/07/t...](#) [#javascript](#) [#es6](#)

Expand

Tim Perry

@pimterry

9h

Another day, another [@DefinitelyTyped](#) PR [github.com/borisyankov/De...](#) Remarkably addictive once you start, and a great way to learn [#TypeScript](#)!

Show Summary

Roland

@RolandOldengarm

17h

Just converted a [#javascript](#) only project to [#TypeScript](#). Found some bugs. Should have done this straightaway, great stuff.

Expand

James

https://twitter.com/typescriptpdx

Thanks!

James Churchill

Twitter: @SmashDev

GitHub: smashdevcode

<https://github.com/smashdevcode/the-latest-on-typescript>