ng-conf 2017

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The Event

- April 3rd - 8th, 2017

- Salt Lake City, Utah

- ~ 1500 Angular developers

- 78 speakers

- Lots of Angular core team members present all day

More than a Conference

- big gathering of like-minded people
  - always something to talk about („what do you do with angular?")

- small exhibition of sponsors

- lots of activities before and after the presentations

  ➡ learn about angular while having fun

Organisation

- Conference App with
  - schedule, floor plans
  - chat channel for public postings (comments and likes)
  - one-to-one messaging
  - public announcements from the organizers

- Breakfast, lunch, drinks all day, party food in the evening

- „Swag": mugs, t-shirts, stickers, stuff from sponsors

- Sponsor lotteries (drone, iphone)

- Public raffle (tech gadgets or programming related subscriptions)

Activities

- during the day
  - workshops: ng-girls , refugees 101
  - thursday: yoga, mindful meditation, group escape game

- in the evening
  - two parties
  - concert, karaoke
  - game night: Overwatch tournament, table tennis, board games
  - trips: movie, local soccer game at the stadium (beer: $9,50/bottle)

- community initiated
  - jogging in the morning
  - dinner groups in the evening
  - ski/snowboarding on the weekend

So, you missed it

- Just google it for review articles

- Community-created resource list:
https://goo.gl/KpFHSZ

- Video recordings on youtube channel:
https://goo.gl/lH9UQ7

Keynote Takeaways

- Angular usage on public websites is growing fast (Google crawler results)
- Angular 4 released:
  - apps are smaller, bootstrap faster than Angular 2.4
  - No breaking changes between 2.4 and 4.0
  - Together with Angular CLI 1.0
- Time-based releases: Patches every week, minor release every month
- Version 5 in October:
  - AOT will be faster, compile incrementally, and will be default also in development mode
  - Improved tree-shaking
- LTS (long-term support) version of Angular 4 in October (critical fixes and security patches for one year)
- TypeScript is now an official language at Google (besides C/C++, Java, JavaScript, Python, Go)
- Google migrates all its AngularJS applications to Angular until 12/2017

66 Presentation videos

Don't limit yourself by an opinionated choice of tools/frameworks

Just an intro to another talk

Kids

Music

Creativity

Help others to upgrade

Burnout

Deleted (copyright issues)

Dont' use bootstrap. Write your own styles

Think twice before adding another library to your project

Girls

1. Thoughtful Component Design
2. There and Back Again a developer's tale
3. The Memory Leak Brain Drain
4. The Little Tool That Dreams Big
5. The Angular Compiler 4.0
6. Reactive Programming with RxJS A Beginner's Perspective
7. ng-STEAM
8. Module vs Module
9. Mischief Maker
10. Mad science with the Angular Compiler
11. Keeping the Sand Out of Your Eyes No Sandbox, No Problem
12. I AM ONE WITH ANGULAR, ANGULAR IS ONE WITH ME
13. How to Scratch an Itch
14. Embrace Component Tranquility
15. Creating VR Experiences with Angular and WebGL
16. Back from the past: A tale of helping others upgrade from Angular 1.x
17. Animations in Angular 4.0.0
18. Keynote Day 1
19. The day I met Steve
20. Powering Content Driven Applications with the World's Most Popular CMS
21. Interactive video apps with Videogular2
23. PrimeNG: Native UI Components for Angular

24. Welcome to ng-conf 2017 - Code of Conduct
25. ... Compiler
26. ... ssive Web Apps using the Angular Mobile Toolkit
27. When You Can't Use the Word "BIG BANG"
28. Build, Measure, and Machine Learn with Angular
29. Kick Your Components up a Notch with Directives BAM!
30. Lost in Translation
31. Step by Step Improving Startup Performance with Lazy Loading in Angular
32. Firebase: Cloud Functions ...
33. Using Components in Angular ...
34. Building a roboarmy with Angular
35. Alexa, create a voice activated chat bot
... Redux Edition
39. Angular Form Validation
40. Breaking The Eyes
41. Using the Angular Template Language Service
42. Angular and GraphQL – A modern API ... Platform
... ackage size and ... NgModule
45. Addicted to AngularJS?

46. Angular Pre Rendering for SEO, Speed, and Happy Users
48. Giving Bootstrap the Boot
49. Everything is a plugin! Mastering ...
... rain – ... with ngrx
52. Docker: What Every Angular Developer ... ons: ... Peanut Butter and Jelly
55. Do More with Less
56. Create and Attend Meetups
57. ngGirls Just Want to Have Fun
58. NG Conf2017 - Angular Team Panel
59. Angular Material 2 Workshop
60. Super TypeScript II Turbo – FP Remix
61. Packaging Angular
62. Best Practice
63. Voice User Interfaces with Angular
64. Upgrading Enterprise Angular Applications
65. Diving into TypeScript
66. Keynote Day 3

45 Technical Presentations

1. Thoughtful Component Design
4. The Little Tool That Dreams Big
5. The Angular Compiler 4.0
6. Reactive Programming with RxJS A Beginner's Perspective
8. Module vs Module
10. Mad science with the Angular Compiler
11. Keeping the Sand Out of Your Eyes No Sandbox, No Problem
12. I AM ONE WITH ANGULAR, ANGULAR IS ONE WITH ME
14. Embrace Component Tranquility
15. Creating VR Experiences with Angular and WebGL
17. Animations in Angular 4.0.0
20. Powering Content Driven Applications with the World's Most Popular CMS
23. PrimeNG: Native UI Components for Angular
25. DiY Angular Compiler
26. Automatic Progressive Web Apps using the Angular Mobile Toolkit
27. When You Can't Use the Word "BIG BANG"

28. Build, Measure, and Machine Learn with Angular
29. Kick Your Components up a Notch with Directives BAM!
30. Lost in Translation
31. Step by Step Improving Startup Performance with Lazy Loading in Angular
32. Firebase: Cloud Functions Workshop
33. Using Components in Angular 1.5
34. Building a roboarmy with Angular
35. Alexa, create a voice activated chat bot
36. FormControl Freaks: Redux Edition
39. Angular Form Validation
40. Breaking The Eyes
41. Using the Angular Template Language Service
42. Angular and GraphQL – A modern API for a modern Platform
44. Reducing package size and complexity with NgModule
45. Addicted to AngularJS?
46. Angular Pre Rendering for SEO, Speed, and Happy Users

49. Everything is a plugin! Mastering webpack from the inside out
50. The Memory Leak Brain Drain – Workshop
51. From Inactive to Reactive with ngrx
52. Docker: What Every Angular Developer Should Know About It!
53. RxJS: The Good Parts
54. Firebase and Google Cloud Functions: Serverless Peanut Butter and Jelly
59. Angular Material 2 Workshop
60. Super TypeScript II Turbo – FP Remix
61. Packaging Angular
62. Best Practice
63. Voice User Interfaces with Angular
64. Upgrading Enterprise Angular Applications
65. Diving into TypeScript

Angular Technologies I

Core stuff

- 4. The Little Tool That Dreams Big - **Angular CLI**
- 12. I AM ONE WITH ANGULAR, ANGULAR IS ONE WITH ME - **Coding Demo** with Angular CLI and VS Code
- 26. Automatic **Progressive Web Apps** using the Angular Mobile Toolkit
- 31. Step by Step Improving Startup Performance with **Lazy Loading** in Angular
- 46. Angular **Pre Rendering** for SEO, Speed, and Happy Users
- 62. Best Practice (for **smaller bundles**)

Compiler

- 5. The Angular Compiler 4.0
- 10. Mad science with the Angular Compiler
- 25. DiY Angular Compiler

Angular Technologies II

Components (Application architecture)

- 2. Thoughtful Component Design
- 15. Embrace Component Tranquility
- 25. PrimeNG: Native UI Components for Angular
- 31. Kick Your Components up a Notch with Directives BAM!
- 35. Using Components in Angular 1.5
- 62. Angular Material 2 Workshop

Reactive Programming

- 7. Reactive Programming with RxJS A Beginner's Perspective
- 38. FormControl Freaks: Redux Edition
- 54. From Inactive to Reactive with ngrx
- 56. RxJS: The Good Parts

Angular Technologies III

Graphical Stuff

- 16. Creating **VR** Experiences with Angular and WebGL
- 18. **Animations** in Angular 4.0.0
- 44. Angular and **GraphQL** – A modern API for a modern Platform

Firebase

- 32. Firebase:Cloud Functions Workshop
- 46. Reducing package size and complexity with NgModule (in firebase applications)
- 57. Firebase and Google Cloud Functions: Serverless Peanut Butter and Jelly

Upgrading

- 29. When You Can't Use the Word "BIG BANG"
- 47. Addicted to AngularJS?
- 64. Upgrading Enterprise Angular Applications

Miscellaneous

8. Module vs Module - ES2015 Module vs. NgModule

11. Keeping the Sand Out of Your Eyes No Sandbox, No Problem - **Security** considerations now that the expression sandbox is removed in AngularJS 1.6

20. Powering Content Driven Applications with the World's Most Popular CMS - How to use the **REST API of Wordpress** (Wordpress as a Backend)

28. Build, Measure, and Machine Learn with Angular

30. Lost in **Translation**

34. Building a roboarmy with Angular - **robots** (Bluetooth with NativeScript)

35. Alexa, create a voice activated **chat bot**

39. Angular **Form Validation**

40. Breaking The Eyes - **Accessability**

41. Using the Angular **Template Language Service**

49. Everything is a plugin! Mastering **webpack** from the inside out

50. The **Memory Leak** Brain Drain – Workshop

52. **Docker**: What Every Angular Developer Should Know About It!

60. Super TypeScript II Turbo – FP Remix - **Functional Programming**

61. Packaging Angular - To **publish your own libraries**

63. **Voice User Interfaces** with Angular

65. Diving into **TypeScript**

Observations

- AngularJS is practically dead.
  - Two of the 45+ technical presentations were about AngularJS.
  - 4 talks were about upgrading to Angular
  - No announcements of upcoming 1.x versions etc.
  - There are no plans for an LTS version for AngularJS

- Every speaker used **VS Code**

- **TypeScript** is the standard language

- **Webpack** is the standard build tool (though rollup is still useful for aggressive size optimizations)

- ng-conf is getting more and more **entertaining** every year

Thank You

Event Web Site:

- https://www.ng-conf.org/

These Slides:

- https://github.com/AndreasIllg/ng-conf_2017_presentation/raw/master/ng-conf2017.pdf

Links:

- Video recordings on youtube channel https://goo.gl/lH9UQ7
- Community-created resource list: https://goo.gl/KpFHSZ

Fun:

- ng-rap: https://hirez.io/ng-rap
- Router Presentation: https://youtu.be/EzRZOoRXNUM from 58' 10"