



Peace of Mind with Typescript: Angular Edition

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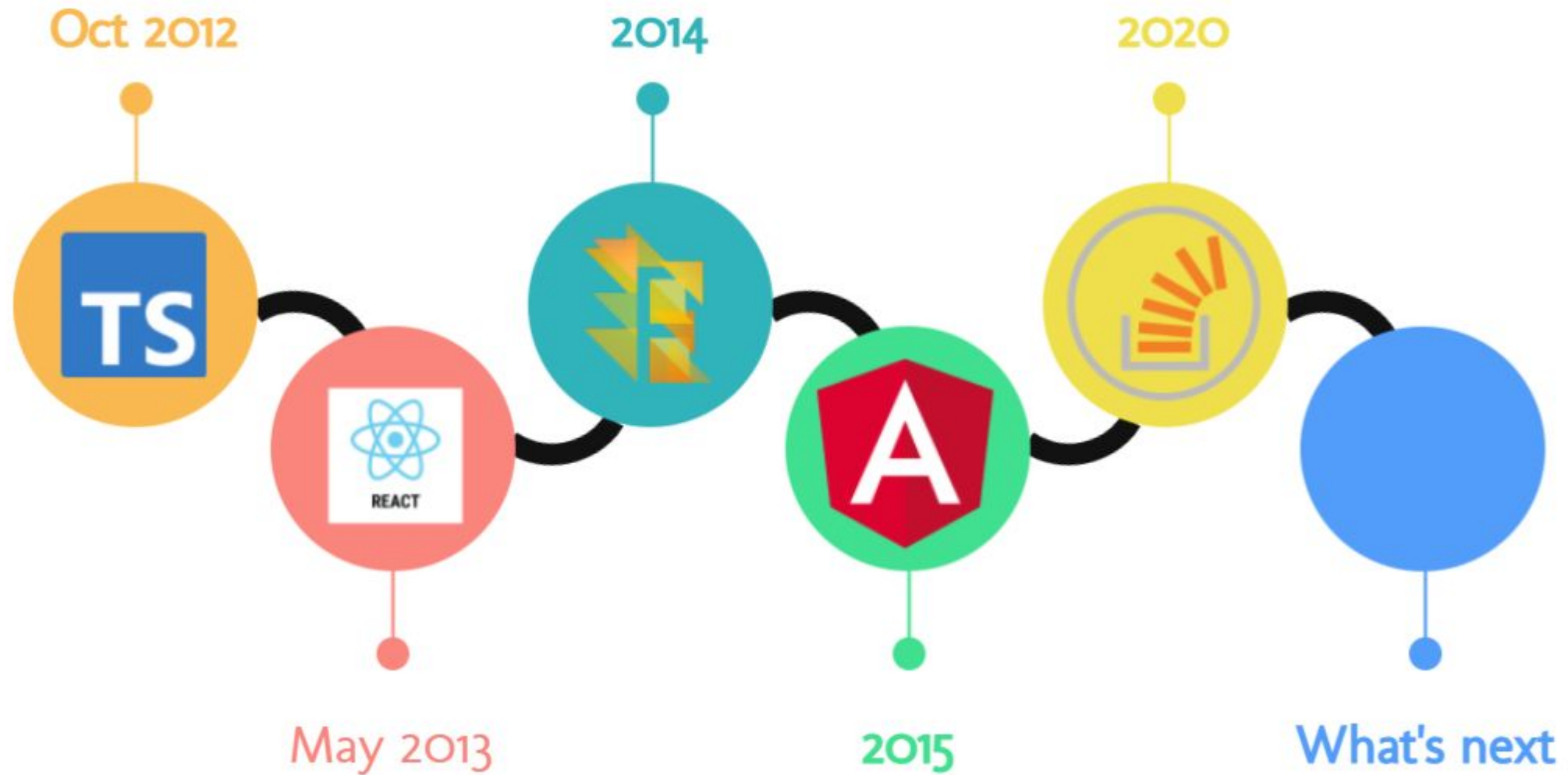
Fundamental
Conference

Microsoft lead engineer: Programming language TypeScript took off thanks to Google's Angular

Ryan Cavanaugh, the principal engineering lead for the TypeScript language at Microsoft



“To know your future you must know your past”



Angular+Typescript = <3

{Angular, Typescript} was built for large and scalable applications



What gives us Typescript?

- static types (and type checking)
- not GA JS features
- better IDE DX
- strict mode



What brings Angular on top of TS?

- strict templates
- full template type checks
- great IDE integrations with Angular Language Service



So where does it helps?

- managing dependencies
- linting
- compiling
- runtime



Managing dependencies

- install
- upgrade
- remove



Linting

- standard JS linting
- TS with typecheck
- Angular with typecheck



Compiling

- ngc is a tsc wrapper
- html parsed to a set of TS instructions
- compile time checks on TS, NG and HTML levels
- Angular strict template counterpart to TS strict



Compiling

2017 “To Type or Not to Type: Quantifying Detectable Bugs in JavaScript”

“our central finding is that both static type systems find an important percentage of public bugs: both Flow 0.30 and TypeScript 2.0 successfully detect 15%”



future-proof

ADJECTIVE

(of a product or system) unlikely to become obsolete.

'My opinion is we need a unified statewide product that is as future-proof as possible.'

+ More example sentences

VERB

[WITH OBJECT]

Make (a product or system) future-proof.

'this approach allows you to future-proof your applications'

+ More example sentences



peace of mind

a feeling of calm or not being worried:

- *For my peace of mind, please check that the door is locked.*



Q&A



Thank you for your attention ;)

