TYPESCRIPT FOR NODE.JS

"Tame your JavaScript"

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- 20 Years Professional Developer
- Author of books and articles, both online and print
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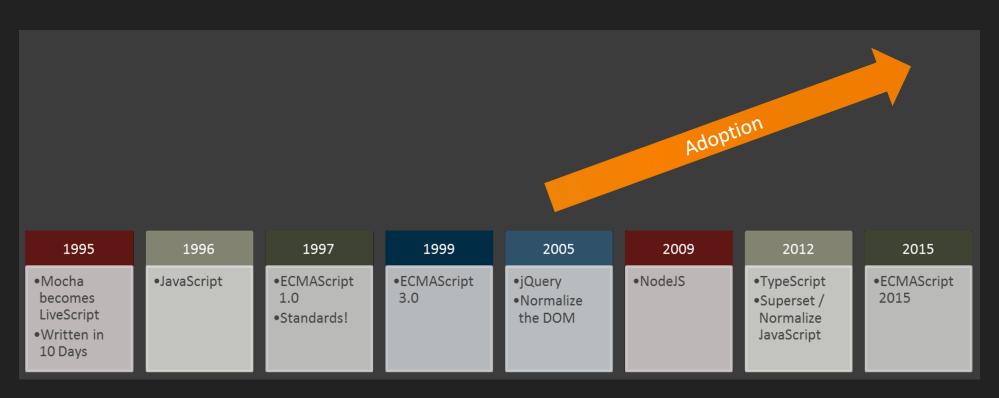
WAT?!

[]+1

Wat?

. . .

EVOLUTION



HARMONY? ECMASCRIPT 2015? BABEL?

Popular options.

Includes: classes, lexical scope, lambda...

Lacks ...

- Interfaces
- Dynamic module affinity (System.js, Require.js, etc.)
- External library definitions
- Generics

DISCOVERY

Intent is clearer with types and interfaces.

REAL WORLD DOCUMENTATION

Libraries make it easier to discover and learn how to use APIs.

DEVELOPMENT TIME SECURITY

Less "fat-finger", catch bugs earlier in the cycle.

SCOPE SAFETY

Modules, Classes, and Lambdas take care of this.

TEAM SCALE

Easier for multiple teams and members to work in parallel.

REAL WORLD INCREASED VELOCITY

Team had 4x velocity with TypeScript vs. just JavaScript. Oh, and the Angular team uses it, for goodness' sake!

DEMO TIME!



TYPESCRIPT AND NODE.JS

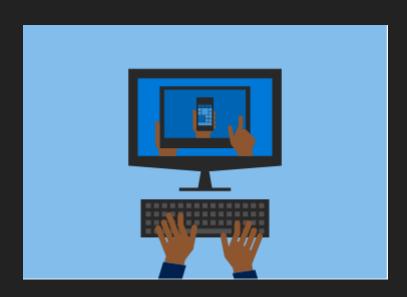
- First class support
- IDE integration
- Libraries (and automatic generation)
- Configurable options

GETTING STARTED

- npm init -y
- npm i typescript --save-dev
- npm i @types/node --savedev
- node tsc --init

DEMO

Examining tsconfig.json.



THE APP

- Edittsconfig.json
- Add "main": "lib/main" and "types": "lib/main" to package.json
- Create src directory
- Add code
- Build and run!

DEMO

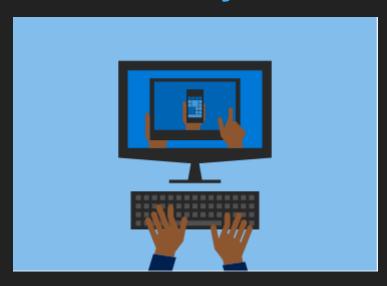
First app.



DEMO

Full enchilada.

https://github.com/JeremyLikness/micro-locator



QUESTIONS?

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https://blog.jeremylikness.com/

https://github.com/JeremyLikness/typescript-fornode