







About Me...



Angular

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ANGULARarchitects.io

Trainings and Consulting







https://github.com/softarc-consulting/sheriff

Professional NgRx









Goals

- Advanced Typescript for
 - application developers
 - library developers
- Focus on practical topics
- "Don't just watch, do it!"



Housekeeping

- 3 Units
- 15 minutes breaks
- 10.00 (CEST) 17.00 (CEST)
- 1 hour lunch break from 12.30 13.15
- https://github.com/rainerhahnekamp/2023-10-13-typescript.git



3 Phases per Unit

Theory (Slides) & Live Coding

Exercise Time ~ 40 minutes

Discussion of the Solution





Agenda

Unit 1

- Types
- Miscellaneous
- Object vs. object
- Type Narrowing
- Function Overloading

Unit 2

- Index access types
- typeof (TS-specific)
- keyof
- Generics
- Variance
- Utility types

Unit 3

- Conditional types
- Mapped types
- Template literal types

Application developer

Library developer

Before we start...

- Mind the difference between type and value
- Rules are not always that obvious
 - JavaScript's rules are the basis
- TypeScript ends after the compilation
- Error messages might not always reveal the real reason
- Advanced features are still extended
- Future of TypeScript: https://github.com/tc39/proposal-type-annotations

