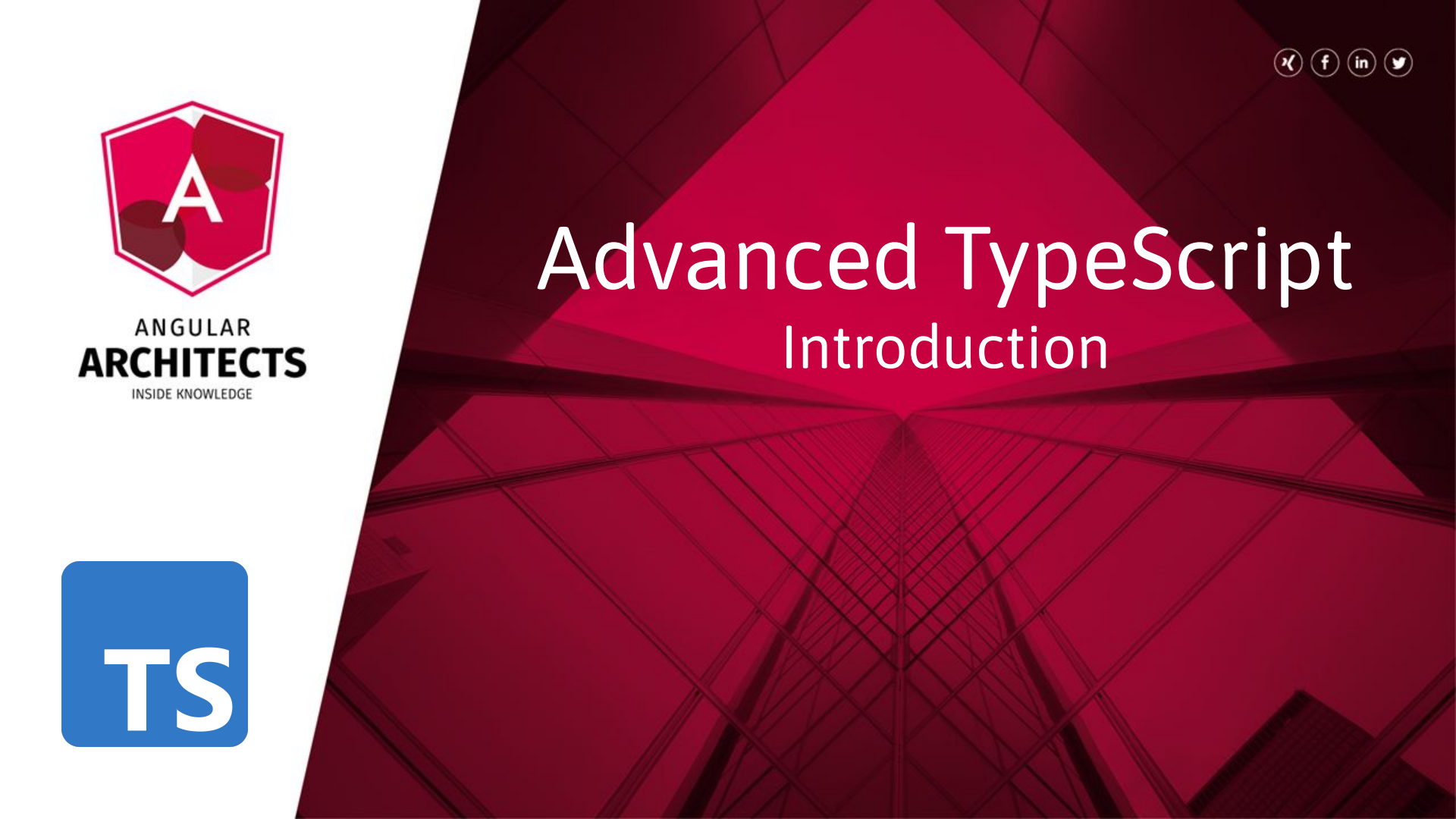

Advanced TypeScript

Introduction

About Me...

- Rainer Hahnekamp

  ANGULARarchitects.io
- Trainings and Consulting

https://www.youtube.com/c/RainerHahnekamp

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Goals

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

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Organisational

- 3 Units
- 15 minutes breaks
- 1 hour lunch break from 13.00 - 13.45

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Exercise-intensive workshop

Engage!

I don't know everything, but I'll try to look it up

Agenda

Unit 1

- Types
- Type narrowing

Unit 2

- Overloaded functions
- Object vs. object
- Index access types
- typeof (TS-specific)
- keyof
- Generics
- 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

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