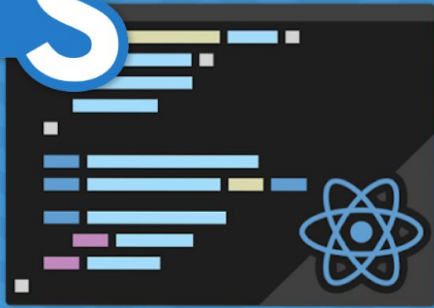


ultimate *React* Component Patterns

TS



TS

TS



With (WE ARE)

TypeScript

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ng



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@martin_hotell



medium.com/@martin_hotell



github.com/hotell



What this talk is **NOT**

Deep dive about

What is React ?

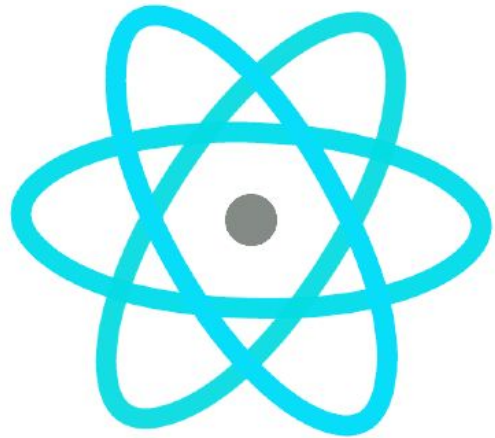
What is TypeScript ?

What this talk IS

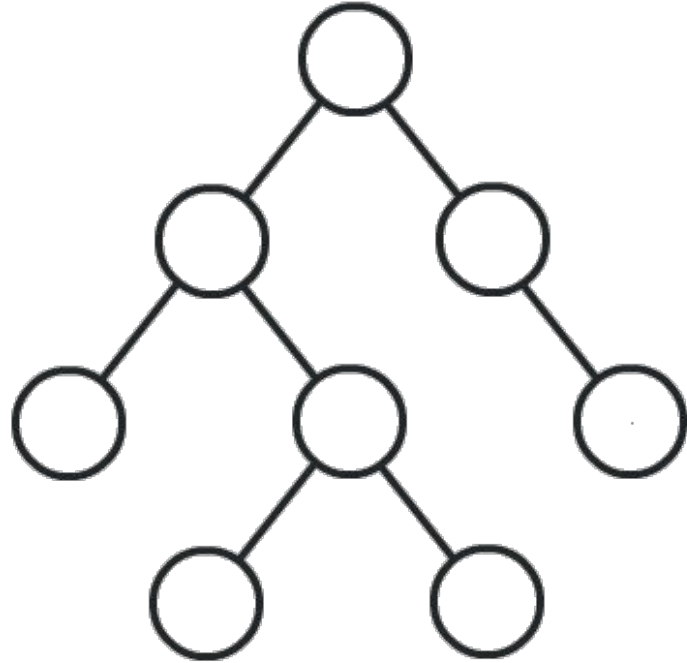
Patterns

The background is a gradient from dark purple at the top to bright pink at the bottom. It features several geometric patterns. On the left, there are several thin, light purple triangles of various sizes and orientations. On the right, there is a more complex network of thin, light purple lines connecting small white dots, forming a web-like structure. The word "Patterns" is written in a white, sans-serif font in the center-left area.

Component



One way data flow



- State change initiated
- State change



The background is a gradient from dark purple at the top to bright pink at the bottom. It is decorated with various geometric shapes: thin white lines forming a network of triangles and polygons, some with white dots at their vertices; and several larger, hollow triangles of different sizes and orientations. Small white dots are scattered throughout the background, resembling stars or dust.

Patterns showcase



Live coding





Let's
Get
STARTED !

Component

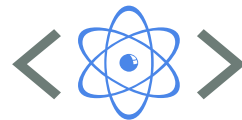
$f(p) \Rightarrow \text{View}$

State-less/ful

$$f(p) \Rightarrow V$$



$$f() \Rightarrow s() \Rightarrow V$$

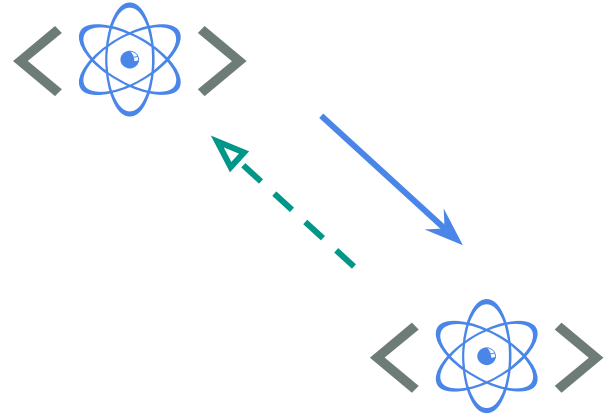


Un/Controller Component

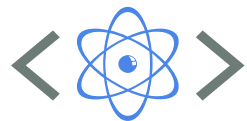
$$f() \Rightarrow V$$



$$f(p) \Rightarrow V$$



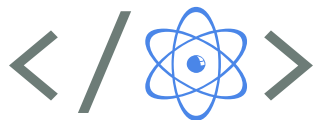
Render Prop / Children as a Function (CaaF)



API

this.props.children(props)

{ (p) => <⦿ > }



High Order Component

hoc() => <+/>

What did we learn today (bout Components yo)

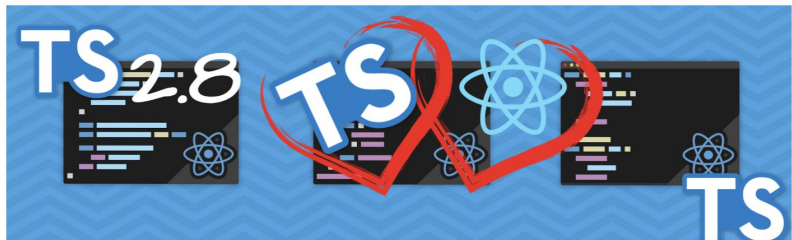
Stateless/Stateful

Un/Controlled

Render Prop

High Order Component

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Ultimate React Component Patterns with Typescript 2.8

React, TypeScript and defaultProps dilemma
a.k.a. "Solving a million dollar problem"



Improved Redux type safety with TypeScript 2.8

Conditional mapped types to the rescue



Use React tools for better Angular apps

Stop fight against each other (...)



Thanks !



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