CONF42 JavaScript 2021

# Pragmatic State Management in React, Angular, and Vue.js Applications

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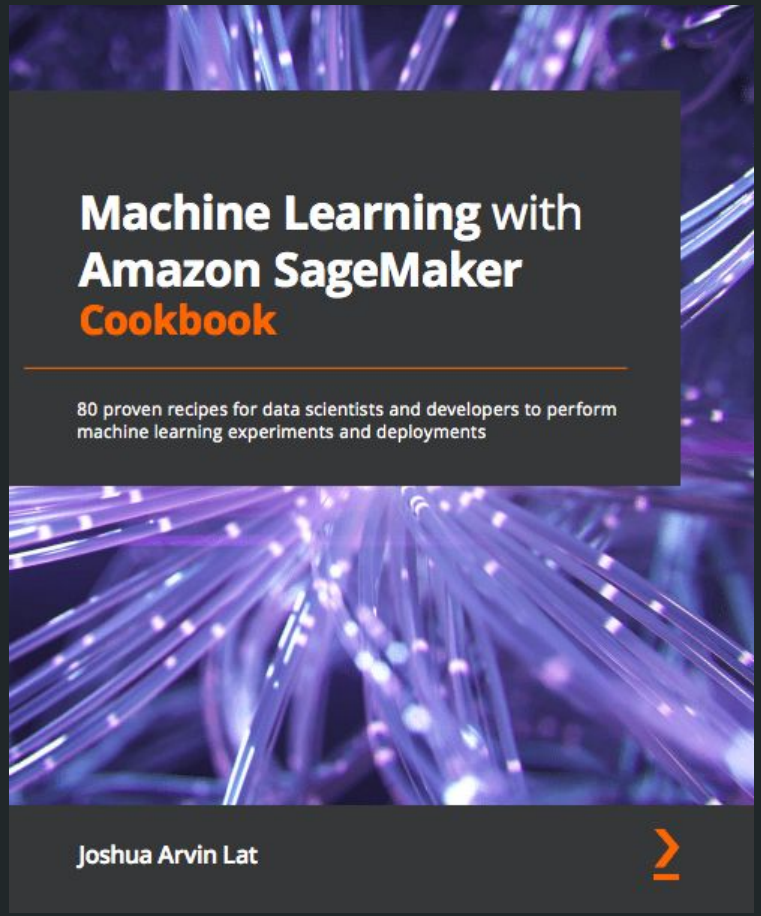
aws

machine learning

**HERO**

- **Chief Technology Officer** of NuWorks Interactive Labs
- AWS Machine Learning Hero
- Author of 📖 **Machine Learning with Amazon SageMaker Cookbook**



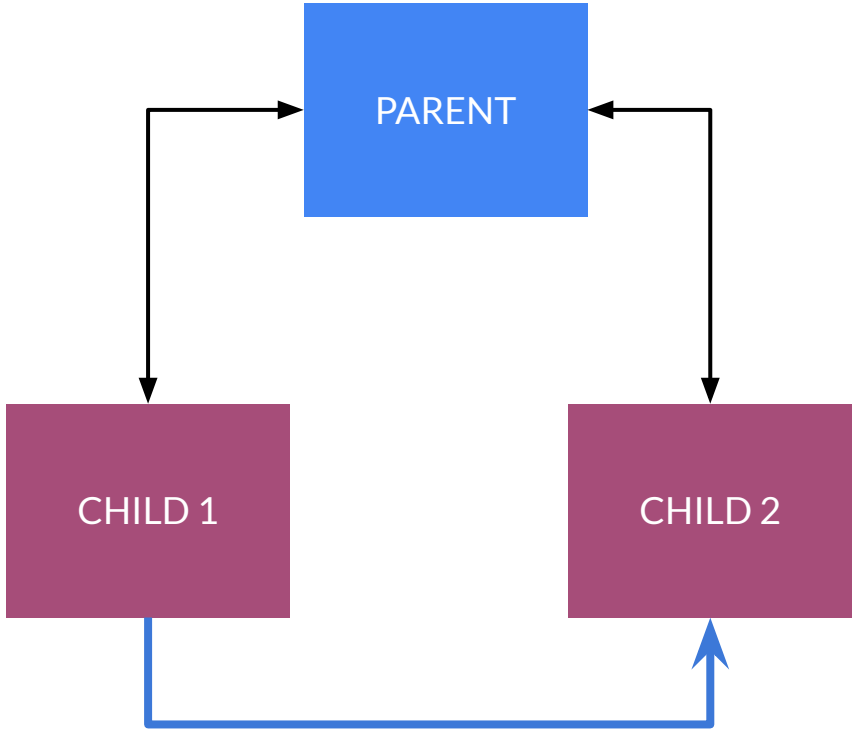

Author of 📖

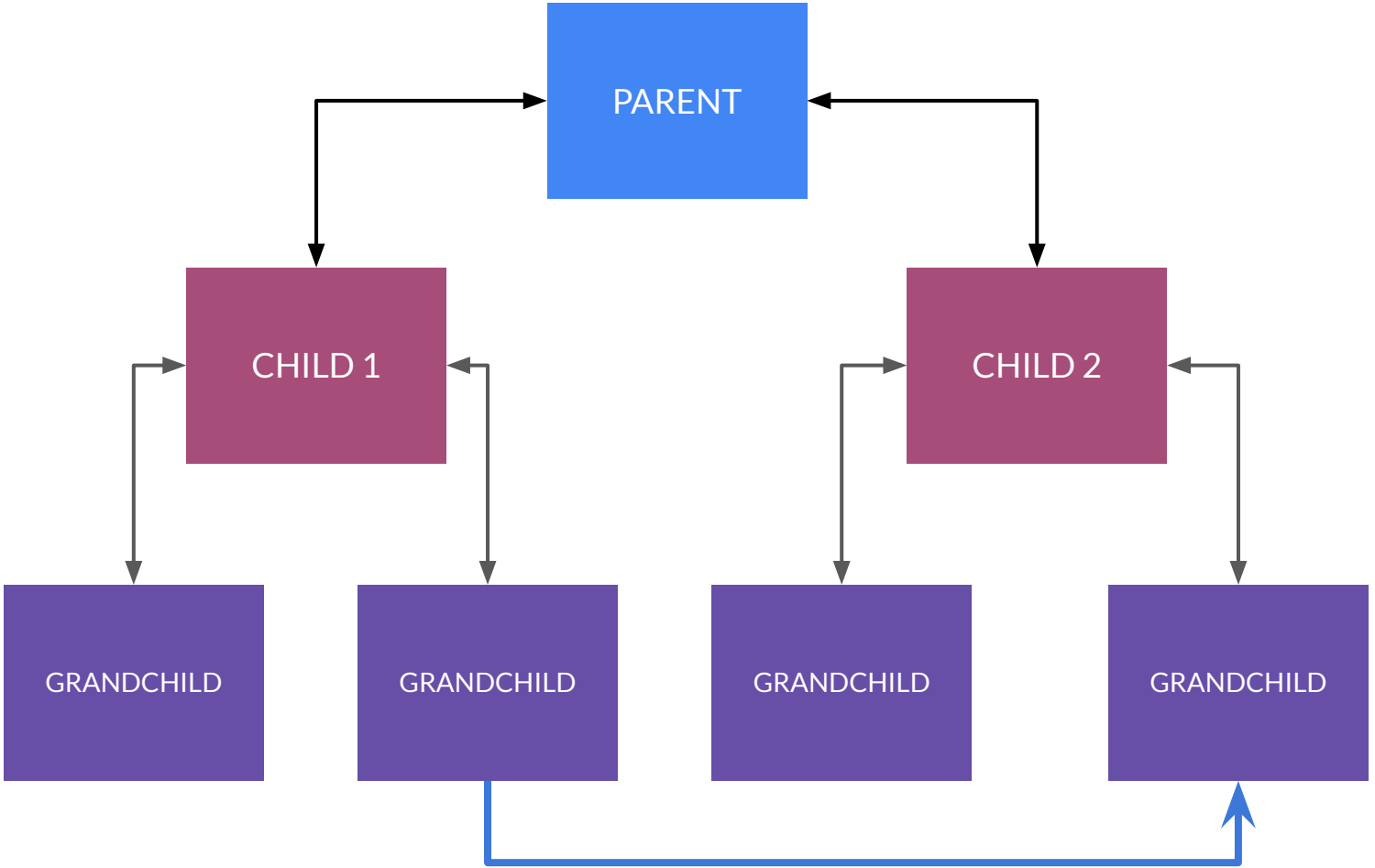
**Machine Learning with Amazon SageMaker Cookbook**

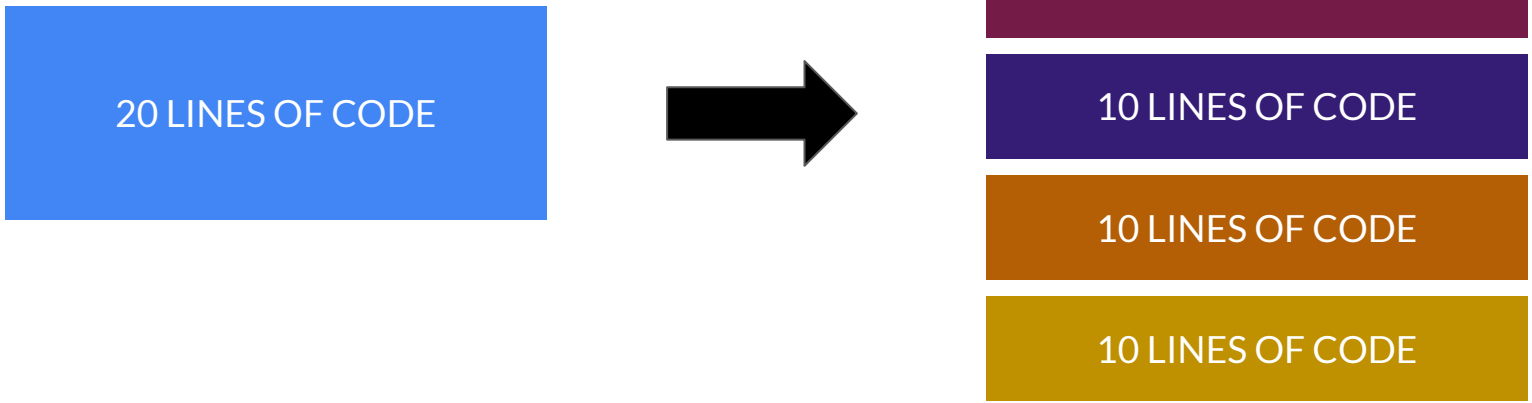
80 proven recipes for data scientists and developers to perform machine learning experiments and deployments

**2 MONTHS LATER...**

# WHEN DO WE USE (AN ADDITIONAL) STATE MANAGEMENT LIBRARY?

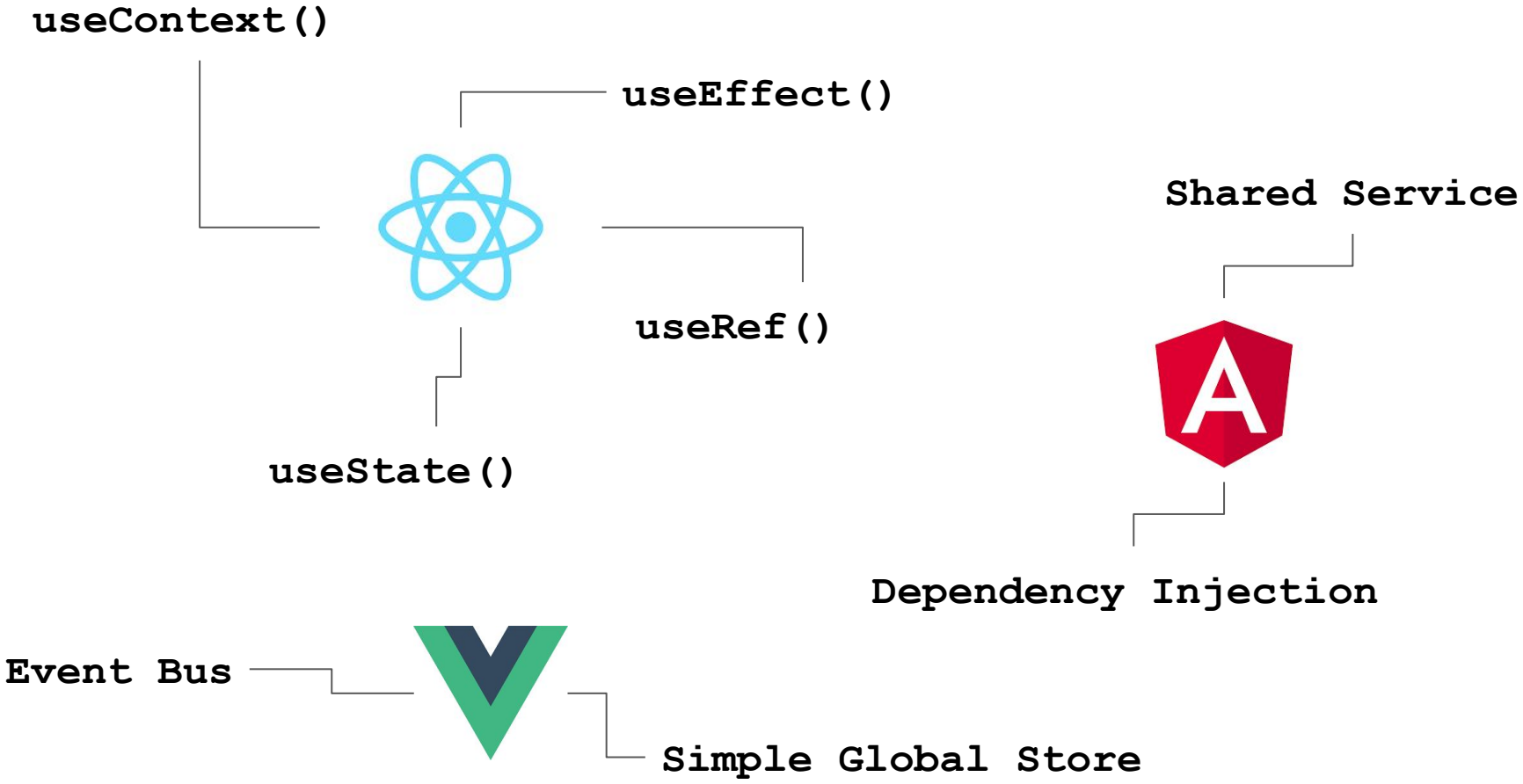

PARENT
CHILD 1
CHILD 2

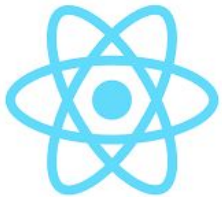

PARENT
CHILD 1
CHILD 2
GRANDCHILD
GRANDCHILD
GRANDCHILD
GRANDCHILD


20 LINES OF CODE
20 LINES OF CODE
10 LINES OF CODE
10 LINES OF CODE
10 LINES OF CODE

MSC

TRY SOLVING THIS BY MAKING THE MOST OUT OF WHAT WE HAVE FIRST!


useContext()
useEffect()
useRef()
useState()
Shared Service
Dependency Injection
Event Bus
Simple Global Store



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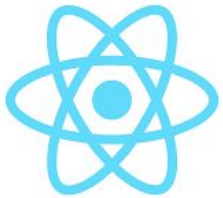
RELEVANT LOGIC CODE

BOILERPLATE CODE



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RELEVANT LOGIC CODE

BOILERPLATE CODE

12
11
10

LESS MAGIC

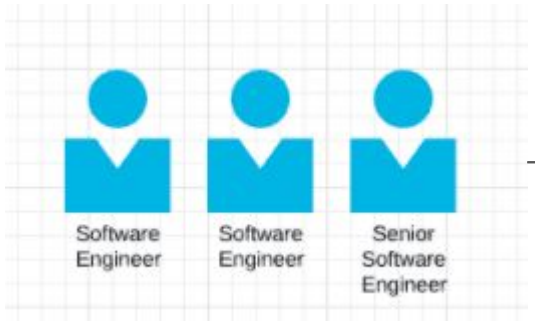
OR

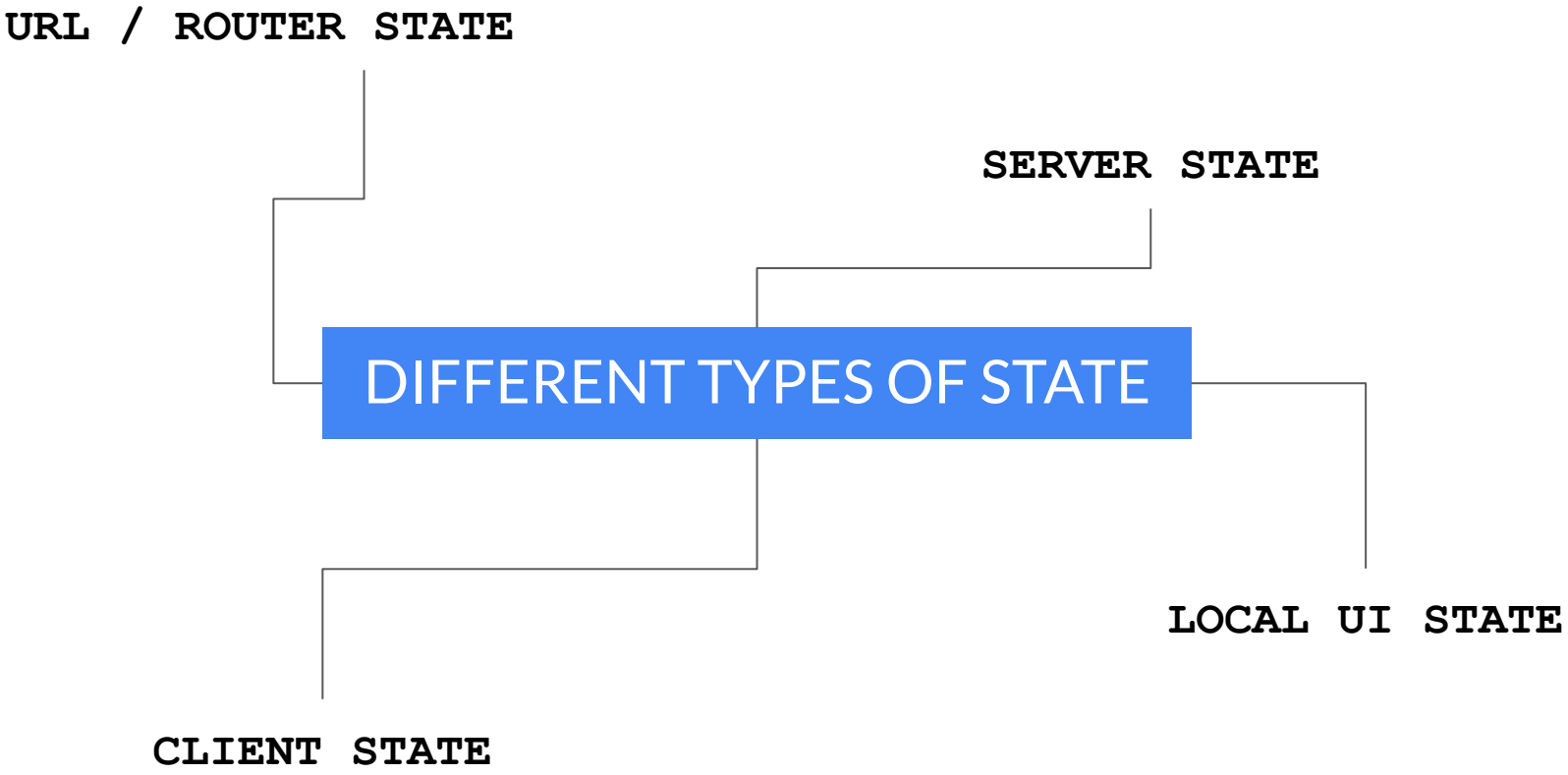
MORE MAGIC

STRONG ASSUMPTIONS YIELD

STRONG GUARANTEES

**CAPABILITY / EXPERIENCE**



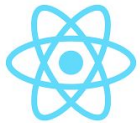

URL / ROUTER STATE
SERVER STATE
DIFFERENT TYPES OF STATE
LOCAL UI STATE
CLIENT STATE

PROJECT # 1

PROJECT # 2

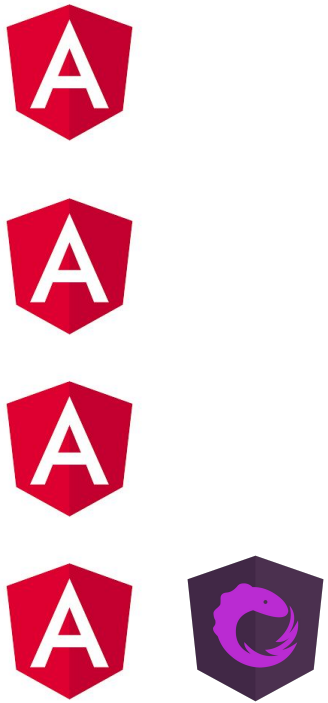
PROJECT # 3

PROJECT # 4



COMPLEXITY LEVEL

SAMPLE TECH STACK



# OTHER CONSIDERATIONS

⇒ MANAGING PERFORMANCE ISSUES

⇒ DEALING WITH MEMORY LEAKS

⇒ REDUCING BOILERPLATE CODE

⇒ IDENTIFYING ANTIPATTERNS

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