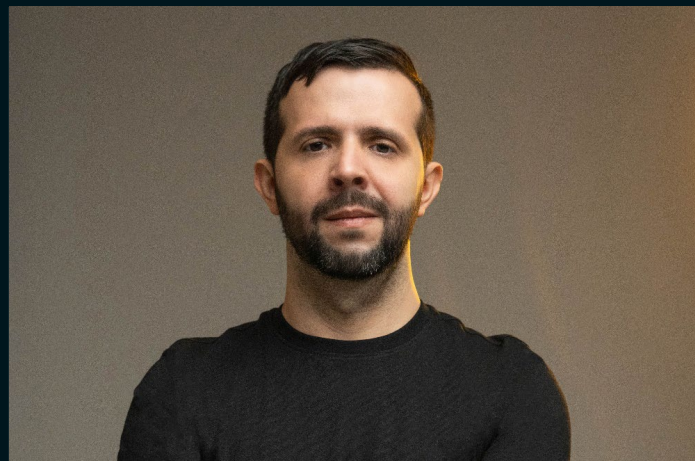


DEVELOPING A MICROSERVICE FROM ZERO WITH JAVA AND SPRING BOOT

2022 NERDEARLA 101



ANDRES SACCO



saccoandres



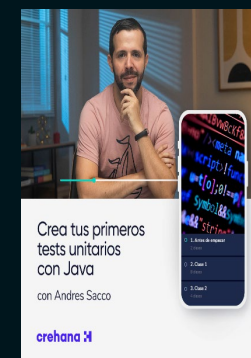
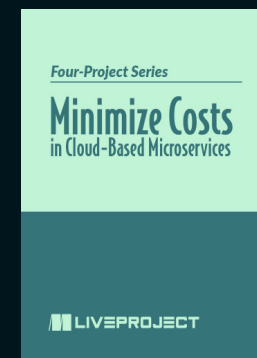
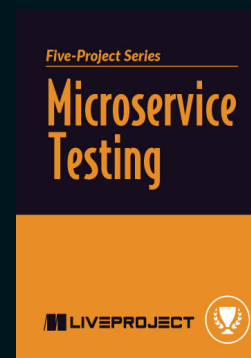
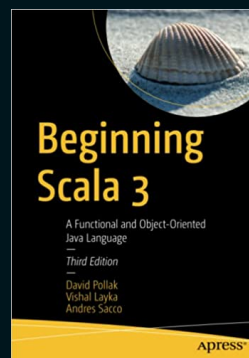
andres-sacco



sacco.andres@gmail.com

ABOUT ME

- I've worked as developer since 2007 using different languages like Java, Kotlin, Scala, PHP, and NodeJS.
- I've participated as a Technical Reviewer of Packt, Apress, and Manning books.
- I published books, courses, and different theoretical-practical projects.
- I participated as speaker on different conferences on Latin-American.



> CONTEXT

You work on TWA as developer and your manager mention that there is a problem

**NOT EXIST A
CENTRAL CATALOG
OF INFORMATION**

**DIFFERENT VALUES
TO THE SAME CODE**

**DUPLICATE CODE ON
MULTIPLE
MICROSERVICES**

**WHICH IS THE
CORRECT
MICROSERVICE?**



> WHAT WILL WE DEVELOPING?

MICROSERVICE

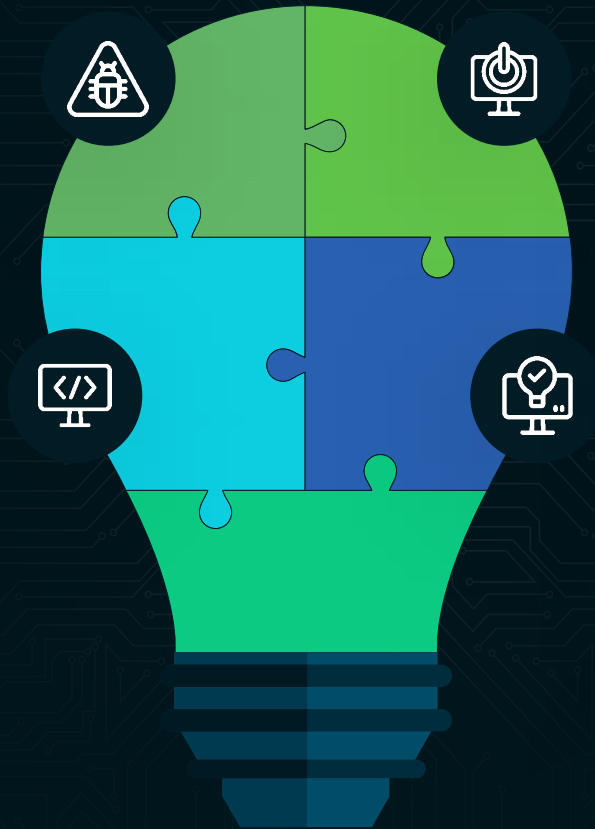
WITH A SET OF ENDPOINTS

PERSIST DATA

THE INFORMATION NEEDS TO BE
SAVED IN A DATABASE

VALIDATIONS

TO PREVENT POSSIBLE
PROBLEMS ON THE INFORMATION



DOCUMENTATION

EACH ENDPOINT NEEDS TO HAVE
A DOCUMENTATION

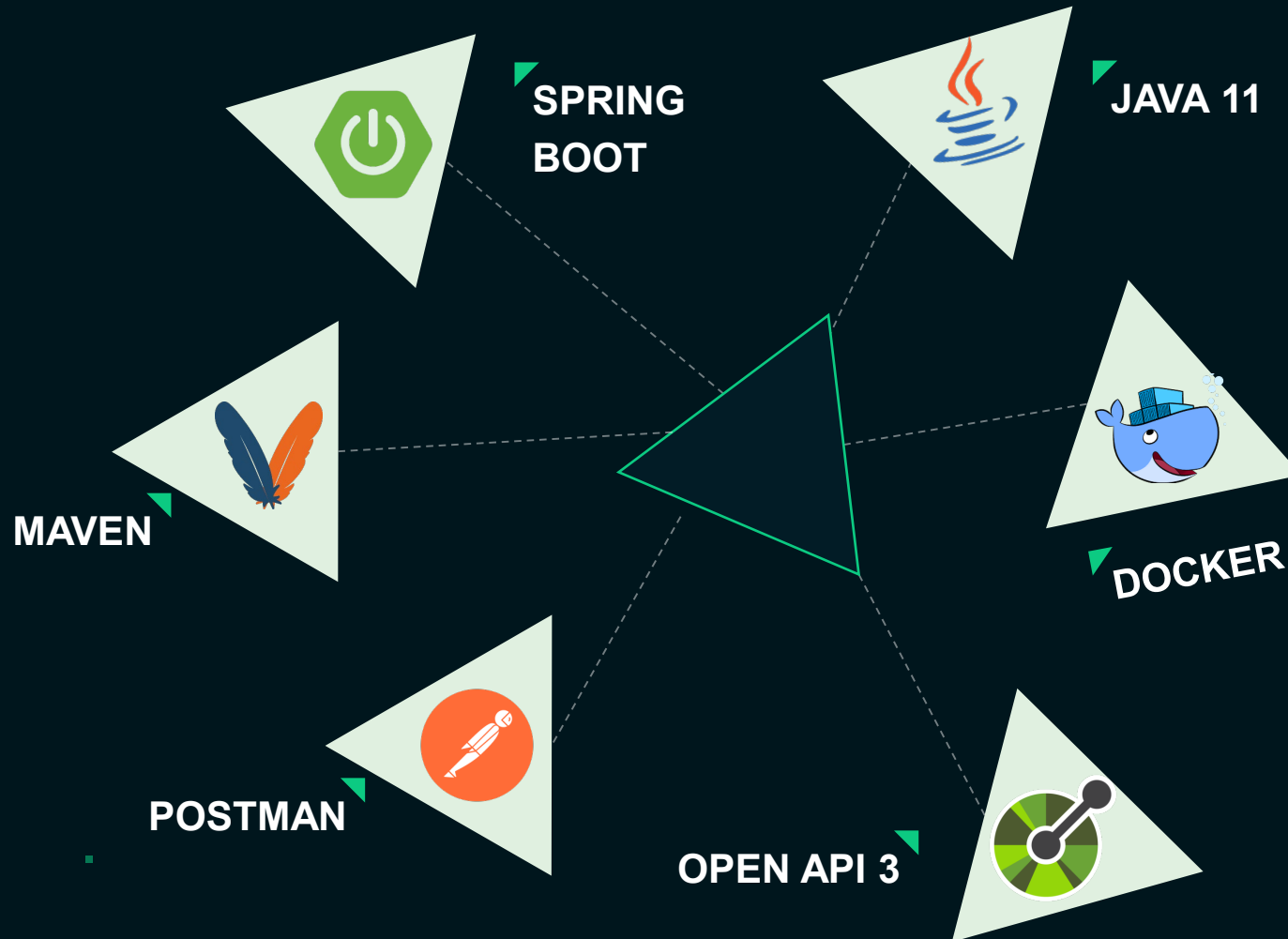
BUILD AND PACKAGE

CREATE A DOCKER IMAGE TO
DISTRIBUTE THE MICROSERVICE

SHOW THE ERRORS

TRANSFORM THE PROBLEMS IN A
NICE WAY

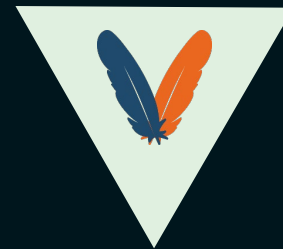
> WHICH TOOLS WE WILL USE?



> WHY CHOOSE THESE TOOLS?



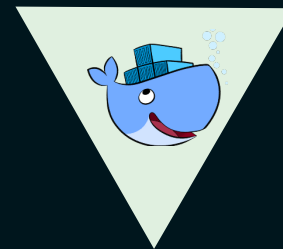
**64,3% USES JDK 11
ON PRODUCTION**



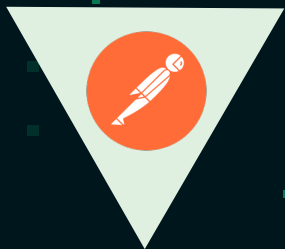
**76,2% USES MAVEN
INSTEAD OF GRADLE**



**57,6% USES THIS
FRAMEWORK**



**48,85% USES
DOCKER**



**IT'S ONE
ALTERNATIVE**



**IT'S THE STANDARD
TO DOCUMENT**

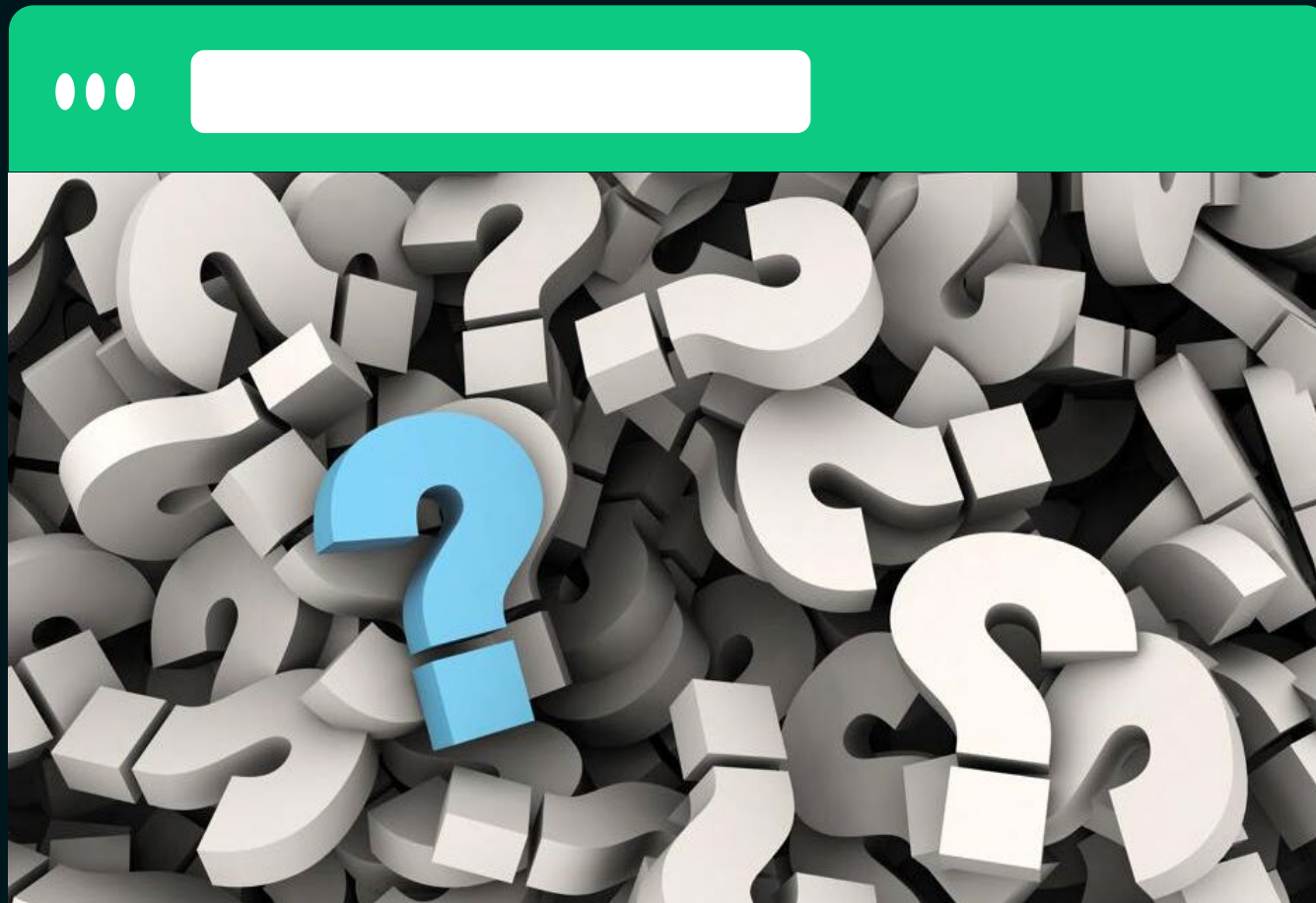
> PRACTICAL EXAMPLE

Let's create our microservice



<https://github.com/andres-sacco/2022-nerdear1a101>

> QUESTIONS





THANK YOU

2022 NERDEARLA 101