

# Thank You to the Code PaLOUsa Sponsors



## Friends of Code PaLOUsa



Couchbase



mongoDB



redis



# How about some tests with your applications?

A person is seen from the side, sitting at a round wooden table. They are using a silver laptop that displays a code editor with Java code. A black and white coffee cup sits on the table next to the laptop. A smartphone is connected to the laptop via a cable and is held in the person's left hand. A pair of glasses is on the table to the right of the laptop. The background is a bright, out-of-focus view of a city from a high vantage point.

**Eric Deandrea**

Sr. Principal Developer Advocate @ Red Hat

# Who am I?

- 22+ years software development experience
  - ~11 years as DevOps Architect in financial services / insurance
- Contributor to Open Source Projects
  - Quarkus
  - Spring Boot
  - Spring Framework
  - Spring Security
  - Spring Session
- Build & deliver cloud-native development training programs
- Published author
- Avid boater & holds black belt in martial arts



@edeandrea



@edeandrea



@edeandrea

- Showcase & explain Quarkus, how it enables modern Java development & the Kubernetes-native experience
- Introduce familiar Spring concepts, constructs, & conventions and how they map to Quarkus
- Equivalent code examples between Quarkus and Spring as well as emphasis on testing patterns & practices
- Chapters devoted to
  - Why the need for Quarkus in the first place?
  - Getting started
  - RESTful applications
  - Persistence
  - Event-driven services
  - Cloud environments, containers, & Kubernetes

<https://red.ht/quarkus-spring-devs>



**Other  
interesting talks**



# What Cloud Vendors Won't Tell You

Avoid Overspending, Get Better Support, and Achieve Better Outcomes

Deven Phillips  
Senior Architect  
Cloud-Native Runtimes Practice

**Why are we  
here today?**



**THAT MOMENT**



**WHEN YOUR CODE  
WORKS**



**BUILD WAS SUCCESSFUL?**

**SHIP IT**

memecrunch.com

**THERE ARE NO FINER QA TESTERS**

**THAN THE CLIENTS THEMSELVES**

imgflip.com

**I GOT AN IDEA  
FOR QA**

**WE CAN LET THE  
USERS TEST IT, AND  
CALL IT A BETA**

memegenerator.net



**IT'S NOT A BUG**



**IT'S A 'FEATURE'**

memegenerator.net



**I GOT A FEVER, AND THE ONLY  
CURE**



**IS MORE TEST AUTOMATION!**

[memegenerator.net](http://memegenerator.net)

**TESTS DIDNT PASS**



**SO I DISABLED  
THEM**

**TESTS WON'T FAIL**

**IF YOU DON'T WRITE TESTS**



A close-up, high-contrast image of Morpheus from the movie The Matrix. He is bald, has a serious expression, and is wearing his signature dark sunglasses. The background is a blurred green. The image is used as a meme template with white, bold, sans-serif text overlaid.

**WHAT IF I TOLD YOU**

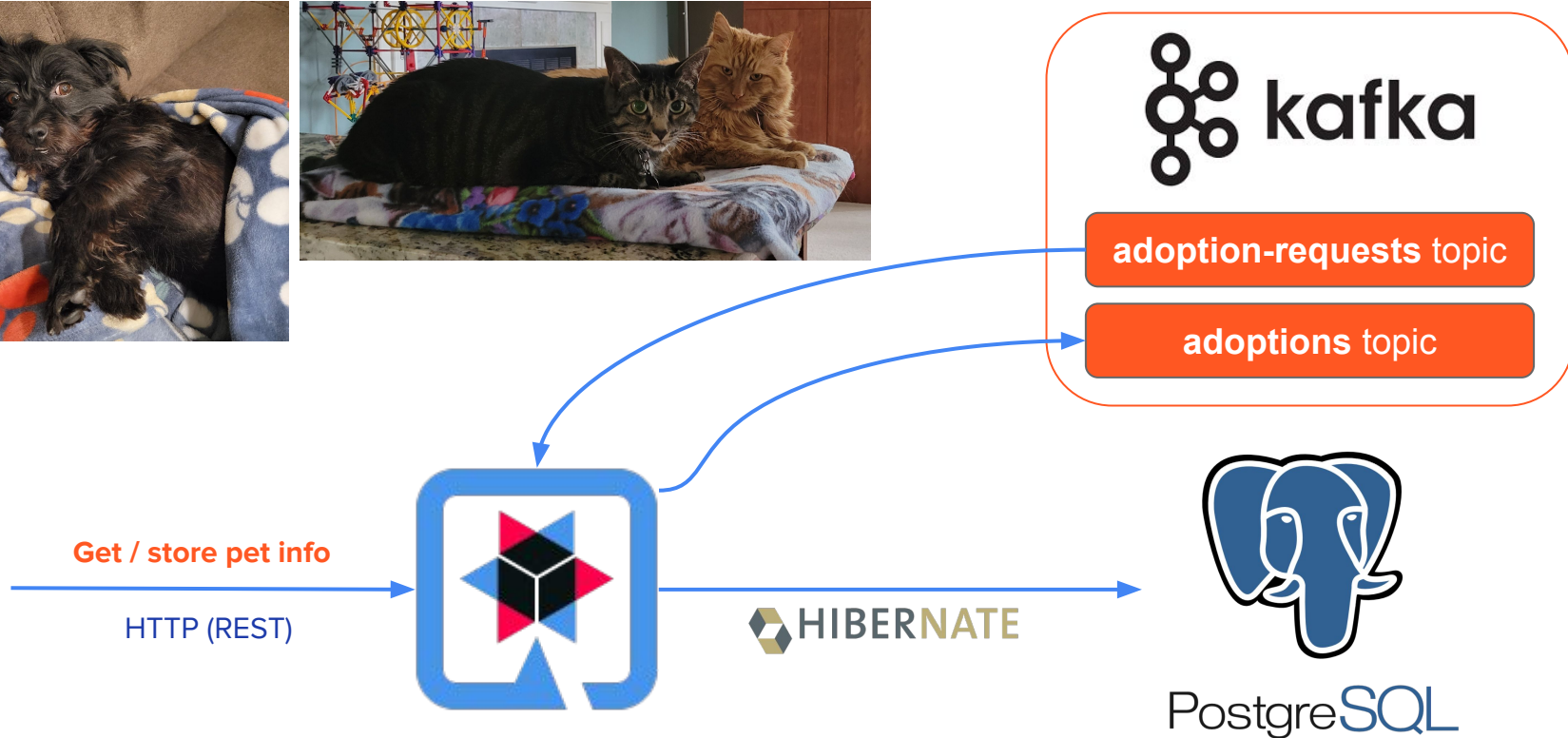
**WRITING TESTS CAN BE FAST &  
EASY**

memegenerator.net



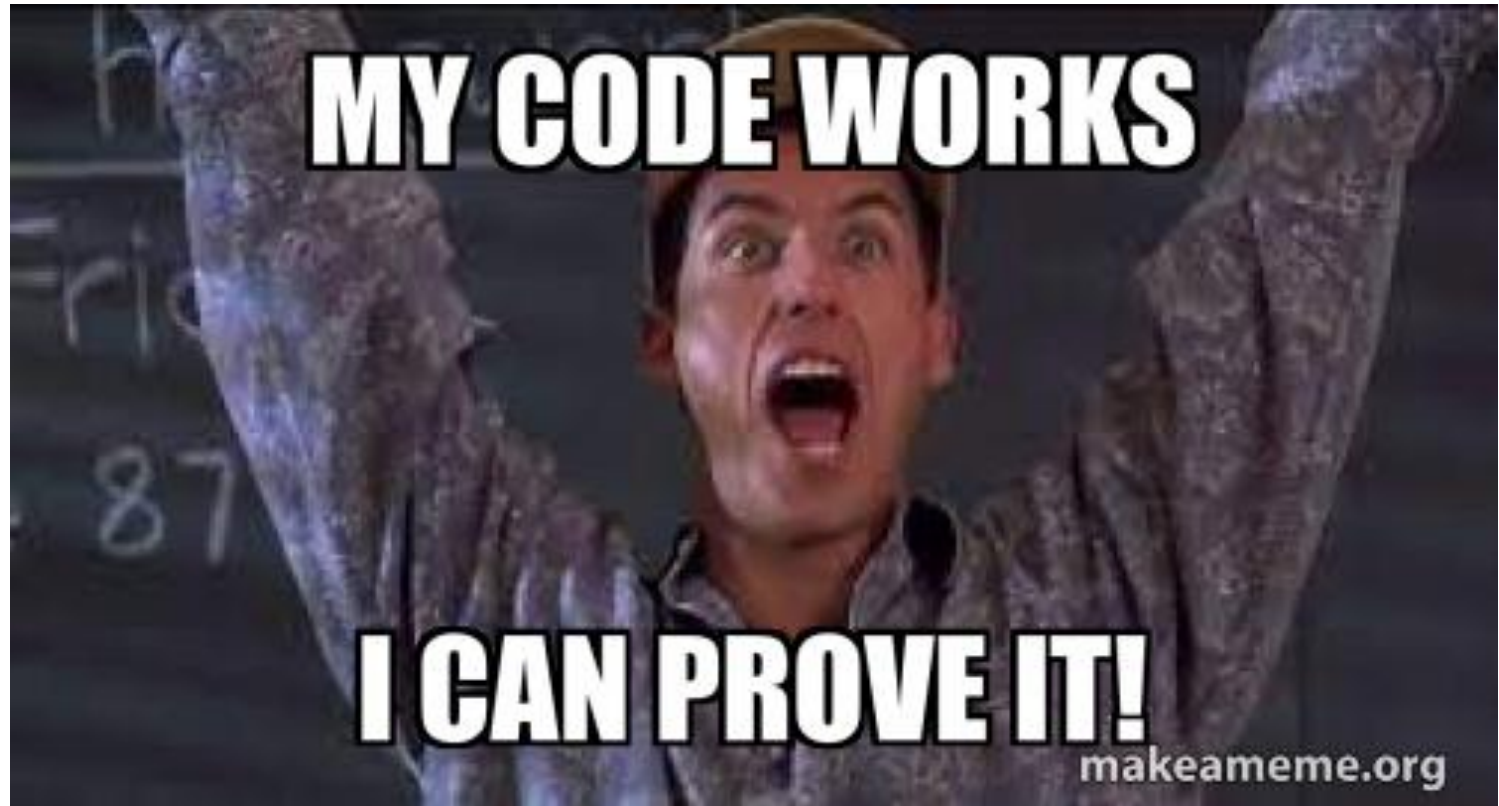
# **Today's challenge**

# Pet Adoption Application











# **Additional resources**

# Kubernetes Native Java with Quarkus

## Deployment

- Quickly & easily build Kubernetes-Native Java applications
- Industry leader in startup time and memory utilization for native and JVM applications
- One step native executable generation

## Developer Joy

- Leverage existing Java, Jakarta, MicroProfile, & Spring expertise
- Imperative & reactive APIs side-by-side
- Live coding with zero config

InfoQ

by



Jason Greene

FOLLOW

Quarkus Co-Founder | Distinguished Engineer @ Red Hat



John Clingan

FOLLOW

Senior Principal Product Manager at Red Hat



Eric Deandrea

FOLLOW

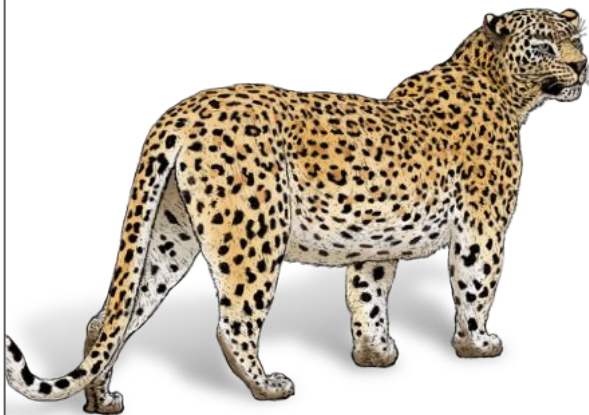
Senior Principal Developer Advocate at Red Hat



O'REILLY®

# Reactive Systems in Java

Resilient, Event-Driven Architecture with Quarkus



Clement Escoffier  
& Ken Finnigan

agonal fascicle

## Understanding Quarkus



Antonio Goncalves

Foreword by Emmanuel Bernard

agonal fascicle

## Practising Quarkus



Antonio Goncalves

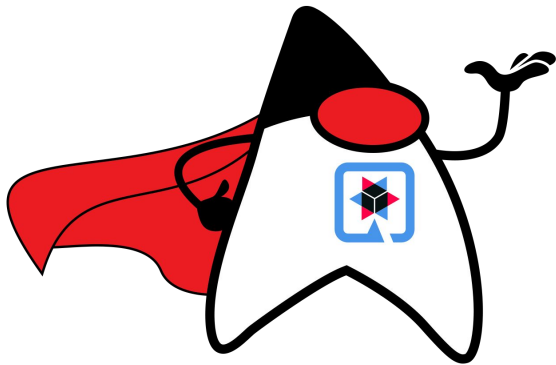
Foreword by Clement Escoffier

<https://www.oreilly.com/library/view/reactive-systems-in/9781492091714>

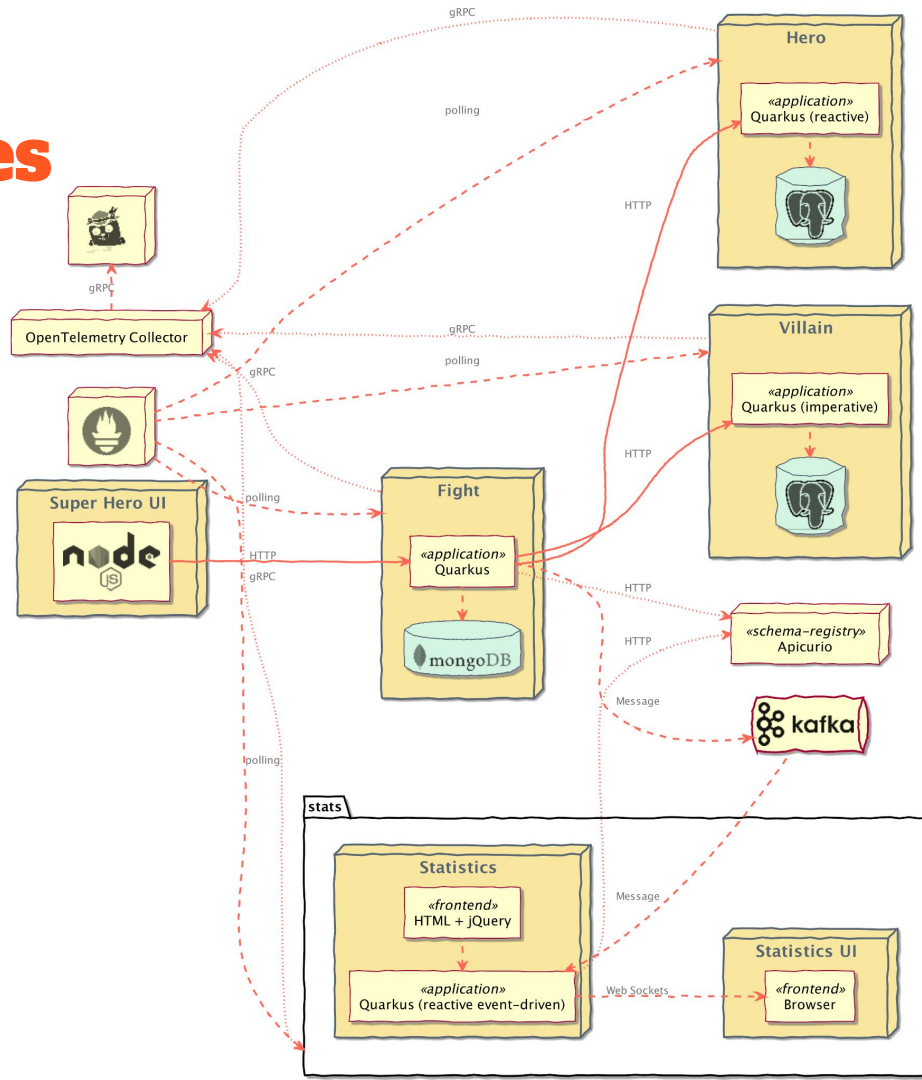
<https://developers.redhat.com/e-books/understanding-quarkus>

<https://developers.redhat.com/e-books/practising-quarkus>

# Quarkus Superheroes



<https://quarkus.io/blog/quarkus-superheroes-to-the-rescue>  
<https://github.com/quarkusio/quarkus-super-heroes>

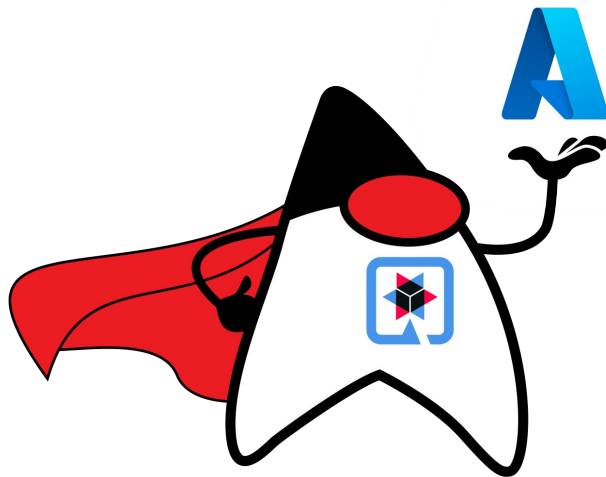




# QUARKUS

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## Superheroes on Azure!





# QUARKUS

QUARKUS WORLD TOUR 2022







September 28, 2022

Quarkus for  
Spring Developers



# QUARKUS



<https://quarkus.io>



<https://quarkus.io/community>



[@quarkusio](#)

**Thank you!**