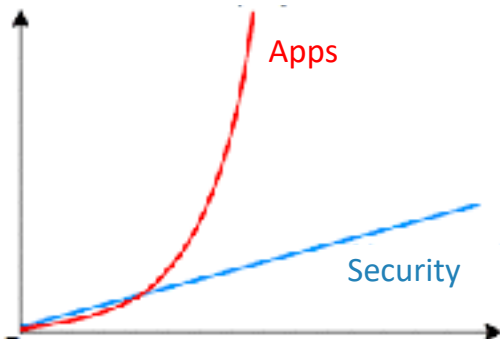# SUPERSONIC SECURE JAVA WITH QUARKUS

ERIK COSTLOW

- Software Security: 11 years
  - Static Analysis
  - Runtime Analysis

- DevRel: Contrast Security
  - Securing software via instrumentation
- Product Manager: Oracle Java Group
  - Security of Java 8+
- Software Engineer
  - GoHealth (IPOed 2020)

SECURITY AS A PROBLEM

Growth of apps outpacing analysis.

Apps

Security

Devs responsible yet unsupported.

"Not a priority until it's the only priority"

GOOD SECURITY DECISIONS OF QUARKUS

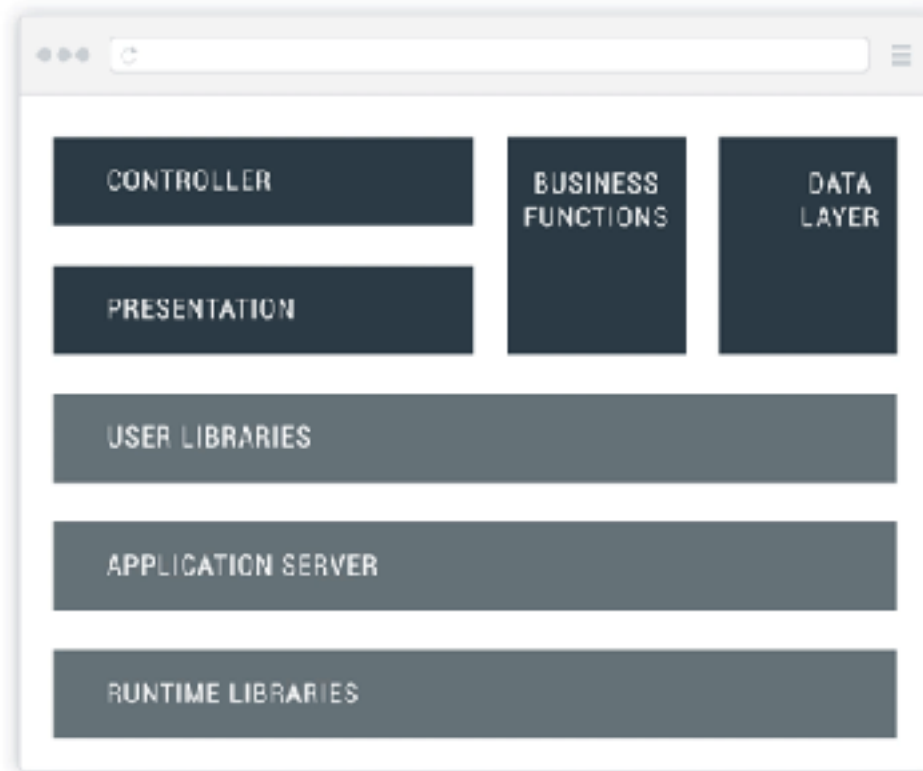**Leverages known standards**

Well Documented

Handles certain risk in the framework

EVALUATING THE SECURITY OF YOUR OWN CODE

App Developer responsible for all layers.

Interactive Testing (IAST)
- Find security issues in real time
- Developer-level detail

Runtime Application Protection (RASP)
- Block vulnerabilities in production
- Prod-level performance

Software Composition (SCA)
- Track/update insecure libraries

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Upcoming events

- **Serverless stream processing of Debezium data change events with Kafka Streams and Knative,** OCT 20 | 16:00 CEST
- **Securing Microservices,** NOV 17 | 16:00 CET
- **DevOps with Containers,** DECEMBER
- **Orchestrating microservices the cloud-native way,** JANUARY 2021

Past events

- **Quarkus the black swan of Java,** July 23
- **Supersonic Secure Java with Quarkus,** SEP 14
- **Helm for Developers,** AUGUST 18

https://red.ht/OpenDevHour

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