Level-up your Microservices

(using Quarkus)

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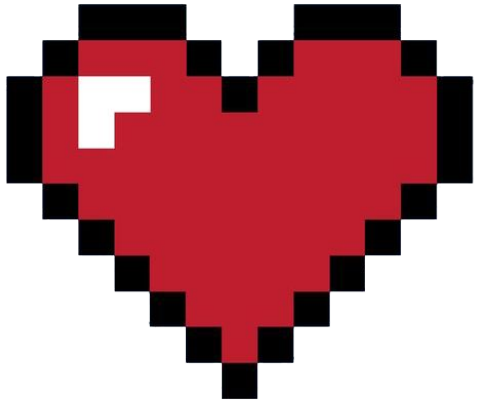
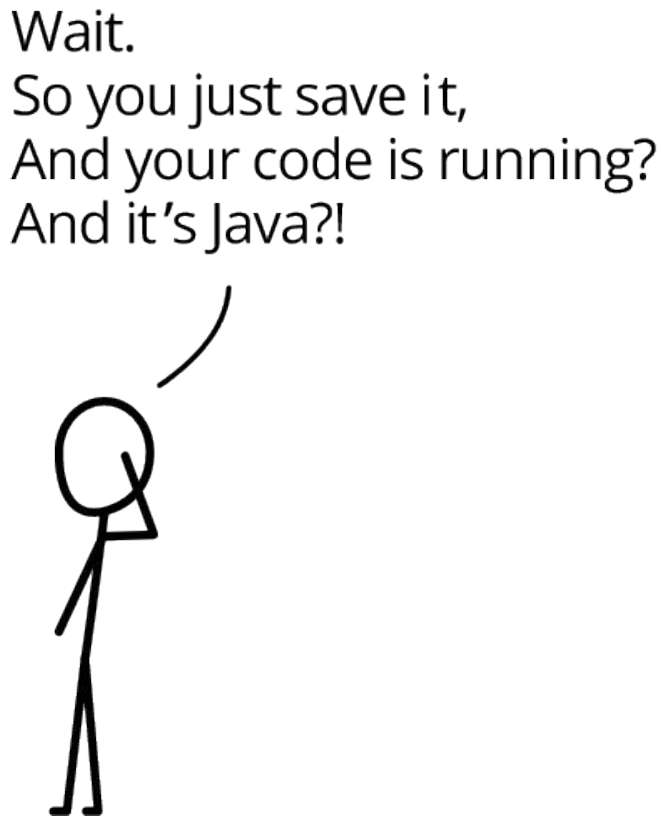


A Kubernetes Native Java stack tailored for OpenJDK HotSpot and GraalVM, crafted from the best of breed Java libraries and standards

From the outset Quarkus has been designed around a container first philosophy. What this means in real terms is that Quarkus is optimised for low memory usage and fast startup times.

Things we are going to show

- Quarkus makes development not just bearable but fun!
- Quarkus' unified configuration
- Built-in, live reload in the blink of an eye
- Easy native executable generation
- Examine a noSQL API service with minimal code
- Adding a new API path to the service
- Leveraging OpenAPI and tools to test the API
- Implementing a websocket server for API push events



Other cool things about Quarkus

- Web
  - REST JSON
  - Multipart
  - Fault Tolerance
  - OpenAPI
- Data
  - Hibernate ORM & JPA
  - Search
  - Transactions
  - SQL/NoSQL
  - Amazon DynamoDB
- Messaging
  - Kafka
  - AMQP
  - JMS
- Security
  - OpenID Connect
  - JWT & Role Based Access
  - OAuth2
  - Vault
- Business Automation
- Integration
- Cloud
- Kubernetes
- Observability
- Serialization
- Tools & Extensions
- Health Checks
- Kotlin
- Performance Measurement

https://quarkus.io/get-started/

Red Hat Summit

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