

# Dropwizard for Microservices, The Role of RESTful APIs in Emerging Technologies

**Phuc H. Duong, *M.Sc.***

phuc@newai.vn

# Textbook

- **Christian Posta. Microservices for Java Developers (2016). O'Reilly Media.**
  - Chapter 3: Dropwizard for Microservices
- **Bogunuva Mohanram Balachandar. RESTful Java Web Services - Third Edition (2017). Packt Publishing Limited.**
  - Chapter 9: The Role of RESTful APIs in Emerging Technologies

# Sample Code

- Available at <https://go.newai.vn/2uCbwKY>

# Update Log

- 29/01/2020: release first version of this slide

# Objective (1)

- **Dropwizard** is an opinionated framework like Spring Boot; however, it's a little more prescriptive than Spring Boot
- There are some components that are just part of the framework and cannot be easily changed
- The sweet-spot use case is writing REST-based web applications/microservices without too many fancy frills
- For example, Dropwizard has chosen the Servlet container (Jetty), REST library (Jersey), and serialization and deserialization (Jackson) formats for you
- Changing them out if you want to switch (i.e., changing the servlet container to Undertow) isn't very straightforward

# Objective (2)

- Two decades ago, the IT industry saw tremendous opportunities with the dot-com boom
- Like the dot-com bubble, the IT industry is transitioning through another period of innovation disrupting all lines of business with recent technology trends such as the cloud, the Internet of Things (IOT), single-page applications, and Open Data Protocol

# Outline

*(The outline of this chapter is referenced from textbooks).*

# Chapter Content

- Chapter contents are available in the main textbook of this course.



**END OF CHAPTER**