

Tema

Spring Boot Webflux

Spring Boot Actuator

Controladores Rest y Restful

Manejo de trazas con Logback

Uso de Lombok

Principios SOLID

Conceptos de Arquitectura de Microservicios

Acceso a datos con Spring Data JPA

Spring Boot con MongoDB.

Diseño Dirigido por Dominio (DDD)

Stack de Spring Cloud: Config Server

Patrón de Arquitectura de Microservicios

Stack de Spring Cloud: Service Discovery, API Gateway.

Contenerizando microservicios (Docker).

Antipatrones de Desarrollo en Microservicios

Programación funcional.

Resiliencia en los microservicios.

CheckStyle

Implementación de métricas de calidad con SonarQube.

Librerías de pruebas unitarias: JUnit 5, Mockito, MockWebServer.

Circuit Breaker

Interfaces funcionales

Despliegue de microservicios en Cloud (Azure).

Métodos de referencia

Interfaces funcionales

Optionals

Stream API

El manifiesto reactivo

Programación reactiva

Enlaces

<https://start.spring.io>
<https://spring.io/guides/gs/reactive-rest-service/>
<https://dzone.com/articles/webflux-reactive-programming-with-spring-part-3>
<https://spring.io/guides/gs/actuator-service/>
<https://www.baeldung.com/spring-boot-actuators>
<https://spring.io/guides/gs/rest-service/>
<https://www.appsdeveloperblog.com/developing-a-rest-api-using-spring-webflux/>
<https://www.youtube.com/watch?v=pVAMOielOJQ>
<http://sinbugs.com/como-crear-un-microservicio-o-servicio-web-rest-con-spring-boot-1/>
<https://dzone.com/articles/configuring-logback-with-spring-boot>
<https://javatodev.com/lombok-spring-boot/>
<https://www.youtube.com/watch?v=3SjK6h1Klma>
<https://www.pluralsight.com/guides/solid-design-microservices>
<https://www.infoq.com/articles/microservices-design-ideals/>
<https://www.martinfowler.com/microservices/>
<https://microservices.io/>
<https://spring.io/guides/gs/accessing-data-jpa/>
<https://spring.io/guides/gs/accessing-data-rest/>
<https://spring.io/projects/spring-data-jpa>
<https://www.baeldung.com/the-persistence-layer-with-spring-data-jpa>
<https://spring.io/guides/gs/accessing-data-mongodb/>
<https://javatodev.com/spring-boot-mongodb-crud-api/>
<https://docs.microsoft.com/en-us/dotnet/architecture/microservices/microservice-ddd-cqrs-patterns/ddd-orient>
https://www.dddcommunity.org/learning-ddd/what_is_ddd/
<https://spring.io/guides/gs/centralized-configuration/>
Compartir enlace DDD (diagrama del proyecto)
<https://refactorizando.com/arquitectura-de-microservicios/>
<https://thekaizenlab.com/la-importancia-del-time-to-market/>
https://www.youtube.com/results?search_query=patrones+de+microservicios&sp=EgIIBoQ%253D%253D
https://www.youtube.com/watch?v=tMFtykk3L10&ab_channel=tomaslingotti
https://www.youtube.com/watch?v=1sEDh0_q-d0&ab_channel=V%C3%ADctorOrozco
https://www.youtube.com/watch?v=xyaFygU9C2Q&ab_channel=BridgingCodeBridgingCode
https://www.youtube.com/watch?v=FPel_7iFYDk&ab_channel=AlbertCoronado
https://www.youtube.com/watch?v=Fq85GsSchdLw&ab_channel=ProgrammingTechieProgrammingTechie
<https://www.baeldung.com/spring-cloud-netflix-eureka>
<https://github.com/eugenp/tutorials/tree/master/spring-cloud/spring-cloud-eureka>
<https://spring.io/projects/spring-cloud-netflix>
<https://blog.bi-geek.com/arquitecturas-spring-cloud-netflix-eureka/>
<https://sacavix.com/2020/07/26/patron-api-gateway/>
<https://www.youtube.com/watch?v=gm-Kym2iqss>
https://www.youtube.com/watch?v=5s3cZJ_-68g&ab_channel=DavidVelardeDavidVelarde
<https://revistabyte.es/tendencias-tic/kubernetes-y-contenedores/>
<https://www.hostinger.es/tutoriales/como-crear-contenedor-docker>
https://www.youtube.com/watch?v=FA3VdlBo0nA&t=568s&ab_channel=TechnoTownTechie
<https://programmerclick.com/article/20691913123/>
<https://sg.com.mx/revista/11/anti-patrones-la-mejor-forma-hacer-un-pesimo-sistema-software>

<https://www.paradigmadigital.com/dev/la-programacion-funcional-deberias-usarla/>
<https://gelopfalcon.medium.com/programaci%C3%B3n-funcional-con-java-inmutabilidad-ddab9d40df4a>
<https://www.arteco-consulting.com/introduccion-a-java-lambda/>
<https://funcionaenmimaquina.com/aprende-programacion-funcional-y-lambdas-con-java-sin-complicaciones/>
<https://docs.microsoft.com/es-es/dotnet/architecture/microservices/architect-microservice-container-application>
<https://www.mtp.es/blog/testing-software/cual-es-el-papel-de-los-microservicios-en-devops>
<https://cloud.google.com/architecture/scalable-and-resilient-apps?hl=es-419>
<https://www.paradigmadigital.com/dev/ribbon-equilibrador-cargas-peticiones-eureka/>
https://www.youtube.com/watch?v=RAC_VRi2bcM&ab_channel=EvilTester-SoftwareTesting
https://www.youtube.com/watch?v=YxR0ZuCE9ZU&ab_channel=JuanCabello
<https://github.com/eugenp/tutorials/blob/master/testing-modules/testing-libraries/checkstyle.xml>
<https://github.com/tutorialesvip/Instalar-SonarQube-en-Docker-Container>
https://www.youtube.com/watch?v=iazi47FrmUY&ab_channel=TutorialesVIP
https://www.youtube.com/watch?v=boX6H6AARZ0&ab_channel=TutorialesVIP
<https://www.baeldung.com/spring-mocking-webclient>
<https://www.arhohuttunen.com/junit-5-mockito/>
<https://sacavix.com/2020/03/05/implementacion-del-patron-circuit-breaker-con-spring-boot-y-hystrix/>
<http://www.robertocrespo.net/kaizen/microservicios-implementar-circuit-breaker-hystrix/>
<https://www.baeldung.com/spring-cloud-circuit-breaker>
<https://ichi.pro/es/interfaces-funcionales-en-pocas-palabras-para-desarrolladores-de-java-5782785643300>
https://www.youtube.com/watch?v=v9m9I3I4yfl&ab_channel=JoseDiaz
https://www.youtube.com/watch?v=Xi8d2cZ4cWE&ab_channel=JoseDiaz
https://www.youtube.com/watch?v=DKNVMILZDks&ab_channel=KODOTI
<https://www.blmovil.com/que-es-la-integracion-continua-y-el-despliegue-continuo/>
<https://esi.microsoft.com/>
<https://docs.oracle.com/javase/tutorial/java/javaOO/methodreferences.html>
<https://www.baeldung.com/java-method-references>
<https://www.arquitecturajava.com/java-functional-interface/>
<https://dzone.com/articles/optional-in-java>
<https://www.adictosaltrabajo.com/2016/05/24/java-util-optional-un-pequeno-tutorial-practico/>
<https://docs.oracle.com/javase/8/docs/api/java/util/stream/Stream.html>
<https://mydeveloperplanet.com/2020/09/23/java-streams-by-example/>
<https://www.reactivemanifesto.org/>
<https://profile.es/blog/que-es-la-programacion-reactiva-una-introduccion/>

[ns/resilient-high-availability-microservices](#)