03/09/2022

* Study Plan
  + Review 2/14 class
  + Review 2/15 class
  + Review 2/16 class

03/10/2022

* Study Plan
  + Review 2/17 class
  + Review 2/18 class
  + Review 2/21 class
  + Review 2/22 class
* Things learned yesterday
  + JDBC
    - Steps
    - CRUD operations
    - The different between Statement, PreparedStatement, and CallableStatement
  + Hibernate
    - Fetch type
      * Eager loading
      * Lazy loading
    - Mapping
      * One to One
      * One to Many
      * Many to Many
    - Cascade
      * Persist
      * Merge
      * Refresh
      * Remove detach
      * All
    - Cache
      * First level cache
        + Session level (can have many)
        + Open by default
      * Second level cache
        + Session factory level (only one)
        + Close by default

03/11/2022

* Study Plan
  + Review 2/22 class
  + Review 2/23 class
* Things learned yesterday
  + HTTP methods
  + HTTP response code
  + HTTP Structure
    - Request Header
    - Response Header
  + Servlet
    - Constructor
    - Init
    - Service
    - Destroy

03/14/2022

* Study Plan
  + Review 2/23 class
  + Review 2/24 class
  + Review 2/25 class
* Things learned yesterday
  + Three layers architecture for HTTP
    - Web (Controller) Layer
    - Service (Business) Layer
    - Data (DAO) Layer
  + Inversion of Control (IOC)
  + Dependency Injection (DI)

03/15/2022

* Study Plan
  + Review 2/28 class
  + Review 3/2 class
  + Review 3/3 class
* Things learned yesterday
  + Spring boot
    - Scopes types
    - Injection types
    - @Bean
    - @Service
    - @Controller
    - @Repository
    - @Component
    - AOP

03/16/2022

* Study Plan
  + Review 2/28 class
  + Review 3/2 class
  + Review 3/3 class
  + Review 3/4 class
* Things learned yesterday
  + URL vs URI
  + @Transactional
  + @RequestParam
  + @RestController
  + @Validated
  + Spring exception handling

03/17/2022

* Study Plan
  + Review 3/2 class
  + Review 3/3 class
  + Review 3/4 class
* Things learned yesterday
  + CORS Policy
  + SOA
  + Microservice
    - Sleuth
    - Zipkin
    - Components
  + Spring Cloud
    - Service Discovery
    - Ribbon
  + Spring Cloud Config

03/18/2022

* Study Plan
  + Review 3/7 class
  + Review 3/9 class
  + Review 3/10 class
  + Review 3/11 class
* Things learned yesterday
  + API Gateway
  + Security
    - Authentication
    - Authorization
    - Attacks
    - Encrypt & Decrypt
    - Encode
    - Hash
    - JWT token

03/21/2022

* Study Plan
  + Review 3/10 class
  + Review 3/11 class
  + Review 3/14 class
* Things learned yesterday
  + Kafka
    - Kafka architecture
    - Producer
    - Consumer
    - Consumer Group
    - Broker
    - Topics
    - Partition
  + Message Queue