

Contact Details:-**Name:-** Sreedhar Reddy. B**Contact No:-** 9986899292**Mail Id:-** bsdr87@gmail.com**Experience In Training:-** 16 Years

| S.NO | Title | Topics |
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| 1 | JAX – RS (Restful Service) | What is JAX – RS Need for JAX – RS Web Services VS Web Resource Building Web Resource using JAX – RS SUN Jersey implementation Building a Web Resource client using Apache Commons HTTP Client API What is ws – address, ws – security, ws – atomic transactions |
| 2 | SpringBoot | Types of software architectures SOA and Monolith Architecture Why Micro services Detailed Micro Service Architecture – App Layer – Business Layer Enterprise Layer – Infra Layer |

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| | | Need of Spring Boot Difference between Spring & Spring Boot Advantages with Micro Services |
| 3 | Building Spring Boot Application | Normal Spring Manual Approach Maven Overview Spring Initializer STS Eclipse with STS Plugin Understanding the Spring Boot auto configuration |
| 4 | CRUD Operations | PostMan or Swagger Overview |
| 5 | Rest Annotation with Relation DB | MYSQL |
| 6 | JPA Repository Concepts | Crud Repository JPA Query Concepts |

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| | | NamedQueries QueryAnnotation AsyncResults Pagination and Sorting |
| 7 | Actuator Concepts | Production Monitoring Health Check Concepts Security Measurements |
| 9 | Spring Boot Custom Logging | Logging Level Patterns Changes Rolling Logs |
| 10 | Spring Boot Profile Components | Introduction Multiple Properties Command Line Runner Example Real time scenarios of components |
| 11 | Integration with Spring Web | Using Spring Web MVC Using Spring Restful Need of embedded servers & customization |
| 12 | Spring Boot Security | Basics |

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| | | Basic Authentication Form Based Authentication Authorization Role Based Access Control Attribute Based Access Control LDAP Based SSL Security TLS Security |
| 13 | Database Concepts | Spring JDBC Database to CSV Spring Batch Flyway Database Migration Liquid Database Migration Flyway vs Liquid Hikari Connection Pool |
| 14 | Core Concepts | Spring Boot AOP Spring Boot Cache |

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| | | Guava Cache integration Caffenine Cache EH Cache MultiResourceItemReader Spring MVC vs JAX-RS SprinBoot with Jersey JUnit Integration Rest Integration Test Cases |
| 15 | Micro Services | Micro Services Introduction Principle and Characteristics Use cases and Benefits Challenges Design standards Micro Services Communication – Synchronous – Asynchronous Pitfalls |
| 16 | Micro Services Design | Micro Services per JVM? |

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| | Considerations | Micro Services share the data stores? Micro Services Transaction boundaries User Interfaces integration with Micro Services Challenges in Micro Services implementation |
| 17 | Spring Cloud | Introduction Cloud Architecture Cloud application benefits |
| 18 | Swagger API | Introduction Integration |
| 19 | Netflix | Introduction Eureka Server & Eureka Client Feign Client Ribbon |
| 20 | Cloud Hosting | AWS Account Setup Hosting to AWS Enabling cloud features like load balancing, security |

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