🚀 What's Coming in My "100 Days of Spring Boot" Journey? 🚀

Hey tech enthusiasts! 🌼👨‍💻👩‍💻

When I decided to start **"Spring Boot Roadmap in 100 Days"**,
I wanted it to be **structured**, **easy to follow**, and **practically useful** for every backend learner out there! 🔥

✨ Here's the adventure we're embarking on:

🔹 **Phase 1: Foundations (Days 1-20)**
Get comfortable with why Spring Boot exists, how it's different, and start building simple real-world apps.

🔹 **Phase 2: Intermediate Level (Days 21-50)**
Dive deeper into building production-grade apps — Databases, Testing, Security, and Advanced APIs.

🔹 **Phase 3: Microservices, Cloud & DevOps (Days 51-80)**
Build scalable Microservices, APIs, Kafka messaging, Dockerize apps, and move towards the cloud! ☁️

🔹 **Phase 4: Monitoring, CI/CD, and Real-World Practices (Days 81-100)**
Learn testing, logging, monitoring, deployment, and become "project ready." 🚀

🌟 Here's the Full 100-Day Plan:

Day 1: Why Spring Boot came into existence
Day 2: Spring vs Spring Boot: Clear Breakdown
Day 3: Spring Boot Starters and How They Simplify Life
Day 4: What is Auto-Configuration in Spring Boot?
Day 5: Spring Boot Properties and YML Configurations
Day 6: Profiles in Spring Boot (dev, prod setups)
Day 7: Dependency Injection Deep Dive
Day 8: Creating Your First REST API
Day 9: Connecting to Databases (JDBC Template)
Day 10: Introduction to JPA & Hibernate

Day 11: CRUD Operations with Spring Data JPA
Day 12: Pagination and Sorting
Day 13: Validation and Exception Handling
Day 14: Service and Repository Layer Best Practices
Day 15: ModelMapper and DTO Pattern
Day 16: Logging in Spring Boot (SLF4J, Logback)
Day 17: Lombok Magic Explained
Day 18: Scheduling with @Scheduled
Day 19: Running Batch Jobs
Day 20: Spring Boot DevTools for Rapid Development

Day 21: Introduction to Actuator
Day 22: Customizing Actuator Endpoints
Day 23: Spring Boot Security Basics
Day 24: Form-Based Login and Basic Authentication
Day 25: Securing REST APIs
Day 26: OAuth2 and OpenID Connect Basics
Day 27: JWT Authentication Explained
Day 28: Spring Boot with Thymeleaf Basics
Day 29: File Upload/Download APIs
Day 30: Sending Emails with Spring Boot

Day 31: Consuming REST APIs (RestTemplate, WebClient)
Day 32: Introduction to WebFlux (Reactive Programming)
Day 33: Caching in Spring Boot
Day 34: Redis Integration
Day 35: Spring Events & Listeners
Day 36: API Rate Limiting Techniques
Day 37: Building Multi-Module Maven Projects
Day 38: Spring Boot with MongoDB
Day 39: Integrating Elasticsearch
Day 40: Global Exception Handling with @ControllerAdvice

Day 41: Internationalization (i18n)
Day 42: Creating Custom Starters
Day 43: Metrics, Health Checks, and Monitoring Basics
Day 44: REST vs GraphQL in Spring
Day 45: Building APIs with GraphQL
Day 46: Spring Boot Testing Basics (Unit Tests)
Day 47: Testing REST APIs with MockMvc
Day 48: Introduction to TestContainers
Day 49: Integration Testing in Spring Boot
Day 50: Contract Testing with Spring Cloud Contract

Day 51: Introduction to Microservices Architecture
Day 52: Building Full First Microservice with Spring Boot
Day 53: Service Discovery with Eureka Server
Day 54: Client-Side Load Balancing (Ribbon)
Day 55: API Gateway with Spring Cloud Gateway
Day 56: Centralized Config with Spring Cloud Config Server
Day 57: Distributed Tracing with Sleuth and Zipkin
Day 58: Circuit Breaker with Resilience4j
Day 59: Bulkheads, TimeLimiters
Day 60: API Versioning and Gateway Filters

Day 61: Communication between Microservices (RestTemplate, Feign Client)
Day 62: Retry Mechanisms
Day 63: Securing Microservices Architecture
Day 64: Centralized Authentication (OAuth2)
Day 65: Introduction to Messaging with Kafka
Day 66: Producing and Consuming Kafka Messages
Day 67: Kafka Streams Introduction
Day 68: Event-Driven Microservices Basics
Day 69: Saga Pattern for Distributed Transactions
Day 70: Event Sourcing Introduction

Day 71: Docker Basics for Spring Boot Apps
Day 72: Dockerizing Your First Spring Boot App
Day 73: Docker Compose Basics
Day 74: Introduction to Kubernetes
Day 75: Deploying Spring Boot App on Kubernetes
Day 76: ConfigMaps and Secrets
Day 77: Scaling Apps in Kubernetes
Day 78: Kubernetes Monitoring and Logs
Day 79: CI/CD Basics (Jenkins, GitHub Actions)
Day 80: Building CI/CD Pipeline for Spring Boot + Docker

Day 81: Introduction to Prometheus & Grafana
Day 82: Monitoring Spring Boot with Prometheus
Day 83: Log Aggregation with ELK Stack
Day 84: Setting Up Centralized Logging
Day 85: Zipkin + Sleuth Deep Dive
Day 86: Spring Boot Admin Server
Day 87: Best Practices for Spring Boot Apps
Day 88: API Documentation with Swagger/OpenAPI
Day 89: Optimizing Spring Boot Applications
Day 90: Spring Boot Native with GraalVM

Day 91: Building Multi-Tenant Applications
Day 92: Advanced Security Patterns (ACL, RBAC)
Day 93: Working with OAuth2 Authorization Server
Day 94: Advanced Kafka Architectures
Day 95: Secrets Management with Vault
Day 96: Feature Toggles and Blue-Green Deployments
Day 97: Canary Releases and A/B Testing Basics
Day 98: Serverless Spring Boot (AWS Lambda)
Day 99: Final Project Build Walkthrough 🚀
Day 100: Graduation Day 🎓 – Full Spring Boot Developer!

🛤️ My Promise:

By Day 100,
you won't just **know** Spring Boot...
you'll be ready to **build**, **scale**, **secure**, and **deploy** full-blown backend systems like a professional Java Developer! 🧠🚀

📢 How to Stay on Track:

✅ Follow me to get notified about each day's post!
✅ Save this roadmap!
✅ Share it with a friend who's serious about backend learning!

💬 Tell me in the comments:
🌼 **Which topic are you MOST excited to learn about?**

🌼 **Also, If I missed something. Let me know if I will Include them as well.**

🌼 I'm planning to create a Blog website as well, for Java, Spring Boot, Microservice and other related topics so do follow for updates 💛

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#100DaysOfCode #SpringBoot #SpringFramework #JavaDeveloper #BackendDevelopment #LearnSpringBoot #Microservices #Docker #Kubernetes #SpringRoadmap #RoadToBackend