Microservices Fundamentals

1. What are microservices and how do they differ from monolithic architecture?
2. What are the key benefits and challenges of microservices?
3. How do microservices communicate with each other?
4. What is service discovery and why is it important?
5. How do you handle versioning in microservices?

🔹 Spring Boot & Microservices

1. How do you implement microservices using Spring Boot?
2. What is Spring Cloud and how does it support microservices?
3. How do you use Netflix OSS components like Eureka, Zuul, and Hystrix?
4. How do you implement centralized configuration using Spring Cloud Config?

🔹 Data Management & Consistency

* 1. How do you manage data consistency across microservices?
  2. What is the Saga pattern and how is it implemented?
  3. How do you handle transactions in a distributed system?

🔹 Security & Resilience

* + 1. How do you secure communication between microservices?
    2. What is the Circuit Breaker pattern and how does it work?
    3. How do you implement rate limiting and throttling?

🔹 Deployment & DevOps

* + - 1. How do you containerize microservices using Docker?
      2. What role does Kubernetes play in microservices deployment?
      3. How do you monitor and log microservices in production?

🔹 API Gateway & Communication

* + - * 1. What is an API Gateway and what are its responsibilities?
        2. How do you handle request routing, authentication, and load balancing?

You can copy and paste this into Word or Google Docs and save it as a PDF. If you’d like, I can help you draft a cover page and title formatting too. Want to bundle this with the Java coding questions in one document? 😊📄 Let’s make it slick!

 How do you implement centralized configuration using Spring Cloud Config?

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