Spring Developer Roadmap 2026

- Fortress Backend
  - Security
    - AuthN
      - Spring Security Core
      - Spring Security OAuth2 Client
      - Spring Security OAuth2 Authorization Server
    - AuthZ
      - Spring Security Method Security
    - Encryption
      - Spring Cloud Vault
      - SSL Bundles
  - IaaC
    - Docker Containers
      - Spring Docker Compose Support
      - Dev Services
      - Cloud Native Buildpacks
    - k8s
      - Spring Cloud Kubernetes
    - Secrets
      - Spring Cloud Config Server
        - Vault backend
        - Git backend
  - Observability
    - Micrometer Tracing
    - Micrometer MeterRegistry
    - Spring Boot Actuator
- Data Mastery
  - Relational Databases
    - Spring Data JPA
    - Spring + jOOQ
  - Specialized stores
    - Spring Data Redis
    - Spring Data MongoDB
    - Spring AI + `VectorStore`
    - Spring Data Neo4j
- Architecture and communication
  - Architecture patterns
    - Spring Modulith
    - Spring Cloud
    - Spring Cloud Function
  - Communication and Protocols
    - Synchronous
      - Spring Web
      - Spring for GraphQL
      - Spring Boot gRPC Starter (LogNet/SalesForce)
    - Asynchronous
      - Message Queues
        - Spring AMQ
        - Spring JMS
      - Event Streams
        - Spring for Apache Kafka
        - Spring Cloud Stream
      - Websockets
        - Spring WebSocket
  - System Design
    - Load Balancing
      - Spring Cloud LoadBalancer
    - Rate Limiting
      - Spring Cloud Gateway (RequestRateLimiter)
    - Circuit Brakers
      - Spring Cloud Circuit Braker
        - Resilience4j

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