



Microservices Design Patterns



MICROSERVICES PATTERNS

1. Decomposition Patterns

- Decompose by Business capability
- Decompose by Subdomain
- Strangler Pattern

2. Integration Patterns :

- API Gateway Pattern
- Aggregator Pattern

3. Database Patterns :

- Database Per Service
- Shared Database Per Service

4. Event Driven Patterns :

- CQRS
- Saga Pattern:
 - o Choriography Vs Orchestrated Saga
 - o Transaction Management in Microservices
 - o Compensating Transactions
- Axon Server and Framework

5. Observability Patterns

- Log Aggregation : ELK
- Distributed Tracing : Micrometer Tracing (OpenTelemetry)

6. Cross Cutting Concern Patterns:

- External Configuration: Config Server
- Service Discovery Pattern : Eureka

7. Resilience Patterns:

- Circuit Breaker Pattern
- Fall Back Pattern
- Retry Pattern
- Rate Limit Pattern
- Bulkhead Pattern

COURSES OFFERING



**JAVA
FULLSTACK**



**PYTHON
FULLSTACK**



**UI
FULL STACK**



LINUX



**CLOUD
COMPUTING**



**DEVOPS
WITH AWS**



DSA



**SYSTEM
DESIGN**



**SOFTWARE
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**CYBER
SECURITY**



**DATA
SCIENCE**



**DATA
ANALYTICS**

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