Module 7: Advanced SOA Design & Architecture with Services & Microservices

**Service-Oriented Architecture Types**
- service architecture
- service composition architecture
- service inventory architecture
- service-oriented enterprise architecture

**Traditional Architecture Types**
- component architecture
- application architecture
- integration architecture
- enterprise technology architecture

**Service & Microservice Composition** patterns
- State Repository
- Compensating Service Transaction
- Composition Autonomy
- Entity Linking
- Orchestration (base pattern)

**Service Inventory** patterns
- Domain Inventory
- Logic Centralization
- Schema Centralization
- Canonical Schema
- Dual Protocols
- Canonical Resources
- Inventory Endpoint

**Service & Microservice Contract** patterns
- Contract Centralization
- Official Endpoint
- Concurrent Contracts
- Lightweight Endpoint
- Reusable Contract
- Uniform Contract

**Service & Microservice Implementation** patterns
- Service Façade
- Legacy Wrapper
- Service Data Replication
- Microservice Deployment
- Containerization
- Redundant Implementation
- Content Negotiation
- Idempotent Capability

**Service & Microservice Messaging**
- Messaging Metadata
- State Messaging
- Event-Driven Messaging
- Service Instance Routing
- Endpoint Redirection
- Service Agent
- Intermediate Routing
- Data Format Transformation
- Data Model Transformation
- Protocol Bridging
- Service Broker
- Asynchronous Queuing
- Enterprise Service Bus (base pattern)
- API Gateway

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Certified SOA Architect

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