Microservices patterns classified for the Paper Titled: Application of Microservices Patterns to Big Data Systems

Category	Pattern
Data Management	1) Database per Service 2) Shared Database 3) Event Sourcing 4) Command and Query Responsibility Segregation
Platform and Infrastructure	1) Multiple Service Instances per Host 2) External Configuration Store 3) Sidecar 4) Static Content Hosting 5) Computer Resource Consolidation
Communicational, Transactional, Logical	1) API Gateway 2) Anti-corruption Layer 3) Self Registration 4) Service Discovery 5) Competing Consumers 6) Pipes and Filters 7) Priority Queue 8) Ambassador 9) Gateway Aggregate 10) Gateway Offloading 11) Aggregator 12) Backend for Frontend 13) API Composition 14) Saga Transaction Management 15) Gateway Routing 16) Leader Election
Fault Tolerance	1) Circuit Breaker 2) Bulkhead Pattern
Observability	1) Log Aggregation Pattern

TABLE I: Microservices categorization