CheckPoint 1.

Languages : C#, Java, Javascript (maybe)

Features:
1.Service. Database redundancy/replication + failover. Service instances connect to different DB replicas;
2. Gateway. Service high availability (if a request to a service fails or the service is otherwise unavailable, route the request to a different one); Trip circuit breaker if multiple re-routes happen. Cache high availability;
3. Cache. Cache redundancy. Distributed cache using consistent hashing.

The gateway will read data to a main db, which will further create replicas. Services talk only to the replicas with READ ONLY access, meanwhile the main db is accessed with R/W rights. Just like this cache will also be replicated.