System Design Master Template |DesignGurus.io Client Authentication Load Authorization Balancer Caching Transformation Rate Limiting Reverse Proxy Monitoring Search Index Logging Serverless Functions (ElasticSearch) Notification Gateway 1 Gateway 2 Service Static Content Control Data Storage Metadata Block Server Server Search query Read/write metadata Image/Thumbnail Video Aggregators Storage Storage Distributed File Storage Cache (Redis/Memcached) partitioning Video processing task Replication and eed Generation Partitioning Shard Manager Video Processing Service Video Processing Queue Metadata Metadata Metadata Feed Generation DB DB Service Worker Worker Worker Data Coordination (Zookeeper) Reports Viewing & Data analysis Data Processing Systems Distributed (Hadoop/MapReduce, Spark) Logging Distributed Scheduler **Output** Distributed (Metrics, Reports, etc) Tracing Database Workers Data Warehouse

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