Here are 8 must-know strategies to scale your system.   
  
1 - Stateless Services   
Design stateless services because they don’t rely on server-specific data and are easier to scale.   
  
2 - Horizontal Scaling   
Add more servers so that the workload can be shared.   
  
3 - Load Balancing   
Use a load balancer to distribute incoming requests evenly across multiple servers.   
  
4 - Auto Scaling   
Implement auto-scaling policies to adjust resources based on real-time traffic.   
  
5 - Caching   
Use caching to reduce the load on the database and handle repetitive requests at scale.   
  
6 - Database Replication   
Replicate data across multiple nodes to scale the read operations while improving redundancy.   
  
7 - Database Sharding   
Distribute data across multiple instances to scale the writes as well as reads.   
  
8 - Async Processing   
Move time-consuming and resource-intensive tasks to background workers using async processing to scale out new requests.   
  
Over to you: Which other strategies have you used?

