HLD Notes

For all these topics the ones which are there on YouTube for free good enough. For rest we find other resources.

1. Notes missing: Intro lecture only
2. Network Protocols:
3. CAP theorem
4. Microservices design pattern
5. HLD SAGA Pattern
6. Scale from 0 to million users
7. Consistent hashing
8. Design url Shortening
9. Back of the envelope estimation for HLD
10. Design a key value store
11. SQL vs NoSQL
12. WhatsApp System Design
13. Design Rate Limiter
14. Design Idempotent Post API
15. Design High Availability & resilient system:
16. Distributed Messaging Queue: https://notebook.zohopublic.in/public...
17. Proxy vs Reverse Proxy: Notes missing
18. Load Balancer & Different Algorithms: https://notebook.zohopublic.in/public...
19. Distributed Cache and Caching Strategies: https://notebook.zohopublic.in/public...
20. Handle Distributed Transactions: https://notebook.zohopublic.in/public...
21. Database Indexing: https://notebook.zohopublic.in/public...
22. Concurrency Control in Distributed System: https://notebook.zohopublic.in/public...
23. Two Phase Locking (2PL): https://notebook.zohopublic.in/public...
24. OAuth 2.0: https://notebook.zohopublic.in/public...
25. Symmetric & Asymmetric Encryption: https://notebook.zohopublic.in/public...
26. JWT Explained: https://notebook.zohopublic.in/public...
27. Thundering Herd : Not applicable
28. API Gateway: https://notebook.zohopublic.in/public...
29. Service Mesh: https://notebook.zohopublic.in/public...
30. DNS: https://notebook.zohopublic.in/public...
31: In how many service should be break monolithic service:
32: Understand attacks: CSRF, XSS, CORS, SQL injection: