



Most Commonly Asked System Design Interview Problems/Questions

Last Updated : 26 Jun, 2024

This System Design Interview Guide will provide the most commonly asked system design interview questions and equip you with the knowledge and techniques needed to design, build, and scale your robust applications, for professionals and newbies



Below are a list of most commonly asked interview problems/case studies/questions in System Design interviews:

System Design Interview Problems\Questions	Solutions
Design URL Shortener like TinyURL	Read
Design Text Storage Service like Pastebin	Read
Design Netflix	Read

System Design Interview Problems\Questions	Solutions
Design Youtube	Read
Design Instagram	Read
Design Twitter	Read
Design E-commerce Store like Amazon	Read
Design WhatsApp	Read
Design Facebook	Read
Design File Sharing System like Dropbox	Read
Design Autocomplete for Search Engines	Read
Design Google Search	Read
Design Airbnb	Read
Design Tinder	Read
Design Stock Exchange system	Read
Design Google Maps	Read
Design Distributed Web Crawler	Read

System Design Interview Problems\Questions	Solutions
Design Location Based Service like Yelp	Read
Design Uber	Read
Design Ticket Booking System like BookMyShow	Read
Design Spotify	Read
Design Food Delivery App like Doordash	Read
Design Zoom	Read
Design Shopify	Read
Design Google Docs	Read
Design TikTok	Read
Design Reddit	Read
Design Code Deployment System	Read
Design Distributed Message Queue like Kafka	Read
Design Distributed Cloud Storage like S3	Read

System Design Interview Problems\Questions	Solutions
Design Distributed Job Scheduler	Read
Design Rate Limiter	Read
Design Distributed Locking Service	Read
Design Distributed key-value store	Read
Design Distributed Cache	Read
Design Notification Service	Read
Design Metrics & Logging Service	Read
Design Content Delivery Network (CDN)	Read
Design Parking Garage	Read
Design Flight Booking System	Read
Design Online Code Editor	Read
Design Vending Machine	Read
Design Authentication System	Read
Design Payment System	Read
Design UPI	Read

Further Reads:

- [Complete System Design Interview Guide](#)
- [System Design Tutorial](#)
- [Software Design Patterns](#)

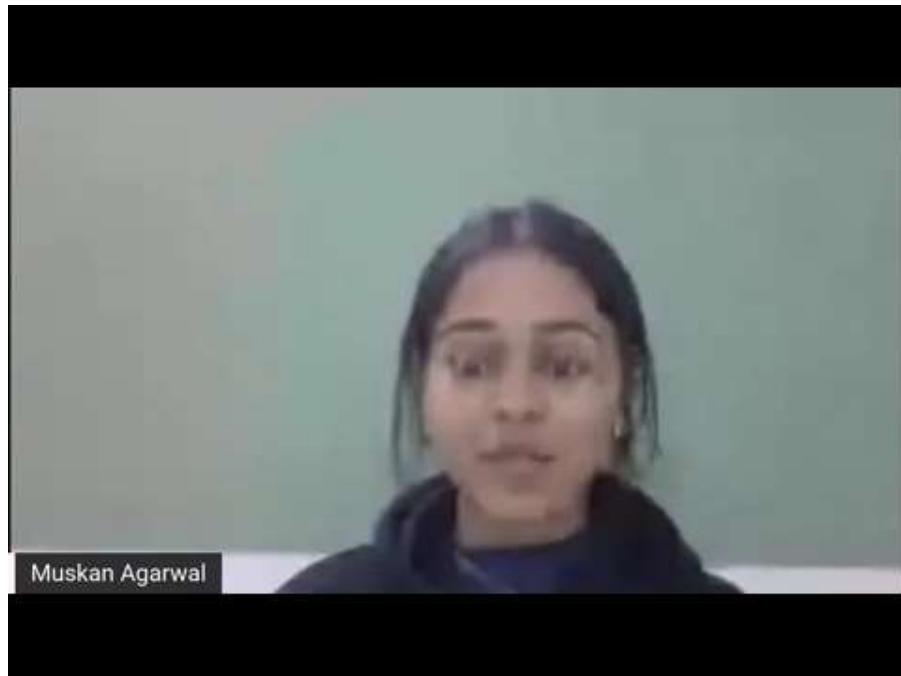
R Risha... + Follow



5

Next Article

Grokking Modern System Design
Interview Guide



[Video | Crack System Design Interviews | All you need to know about System Design Interviews](#)

Similar Reads

[Top 10 Most Commonly Asked Web3 Interview Questions and Answers](#)

Web3 (also known as Web 3.0) is definitely the latest technology that the world is currently basking on and slowly small and big companies are turning...

7 min read

Commonly Asked C++ Interview Questions | Set 2

Q. Major Differences between Java and C++ There are lot of differences, some of the major differences are: Java has automatic garbage collection whereas...

8 min read

Commonly asked DBMS interview questions

1. What are the advantages of DBMS over traditional file-based systems? Database management systems were developed to handle the following...

15+ min read

Commonly asked JavaScript Interview Questions | Set 1

What is JavaScript(JS)? JavaScript is a lightweight, interpreted programming language with object-oriented capabilities that allows you to build interactivit...

4 min read

Commonly Asked C++ Interview Questions | Set 1

Refer to the article C++ Interview Questions and Answers for the latest data.
1. What are the differences between C and C++? C++ is a kind of superset of...

5 min read

Commonly asked DBMS interview questions | Set 2

This article is an extension of Commonly asked DBMS interview questions | Set 1. Q. There is a table where only one row is fully repeated. Write a Query...

5 min read

Commonly Asked Algorithm Interview Questions

For tech job interviews, knowing about algorithms is really important. Being good at algorithms shows you can solve problems effectively and make...

15+ min read

Commonly Asked C Programming Interview Questions | Set 1

What is the difference between declaration and definition of a variable/function Ans: Declaration of a variable/function simply declares that...

5 min read

Commonly Asked Java Programming Interview Questions | Set 2

In this article, some of the most important Java Interview Questions and Answers are discussed, to give you the cutting edge in your interviews. Java i...

10 min read

Commonly asked Computer Networks Interview Questions | Set 1

What are Unicasting, Anycasting, Multicasting and Broadcasting? If the message is sent from a source to a single destination node, it is called...

4 min read

Article Tags :

System Design

interview-preparation

interview-questions



Corporate & Communications Address:- A-
143, 9th Floor, Sovereign Corporate Tower,
Sector- 136, Noida, Uttar Pradesh (201305)
| Registered Address:- K 061, Tower K,
Gulshan Vivante Apartment, Sector 137,
Noida, Gautam Buddh Nagar, Uttar
Pradesh, 201305



Company

About Us

Explore

Job-A-Thon Hiring Challenge

Legal
Careers
In Media
Contact Us
Advertise with us
GFG Corporate Solution
Placement Training Program

Hack-A-Thon
GfG Weekly Contest
Offline Classes (Delhi/NCR)
DSA in JAVA/C++
Master System Design
Master CP
GeeksforGeeks Videos
Geeks Community

Languages

Python
Java
C++
PHP
GoLang
SQL
R Language
Android Tutorial

DSA

Data Structures
Algorithms
DSA for Beginners
Basic DSA Problems
DSA Roadmap
DSA Interview Questions
Competitive Programming

Data Science & ML

Data Science With Python
Data Science For Beginner
Machine Learning
ML Maths
Data Visualisation
Pandas
NumPy
NLP
Deep Learning

Web Technologies

HTML
CSS
JavaScript
TypeScript
ReactJS
NextJS
NodeJs
Bootstrap
Tailwind CSS

Python Tutorial

Python Programming Examples
Django Tutorial
Python Projects
Python Tkinter
Web Scraping
OpenCV Tutorial
Python Interview Question

Computer Science

GATE CS Notes
Operating Systems
Computer Network
Database Management System
Software Engineering
Digital Logic Design
Engineering Maths

DevOps

Git
AWS
Docker
Kubernetes
Azure
GCP
DevOps Roadmap

System Design

High Level Design
Low Level Design
UML Diagrams
Interview Guide
Design Patterns
OOAD
System Design Bootcamp
Interview Questions

School Subjects

Mathematics
Physics

Commerce

Accountancy
Business Studies

Chemistry
Biology
Social Science
English Grammar

Economics
Management
HR Management
Finance
Income Tax

Databases

SQL
MySQL
PostgreSQL
PL/SQL
MongoDB

Preparation Corner

Company-Wise Recruitment Process
Resume Templates
Aptitude Preparation
Puzzles
Company-Wise Preparation
Companies
Colleges

Competitive Exams

JEE Advanced
UGC NET
UPSC
SSC CGL
SBI PO
SBI Clerk
IBPS PO
IBPS Clerk

More Tutorials

Software Development
Software Testing
Product Management
Project Management
Linux
Excel
All Cheat Sheets
Recent Articles

Free Online Tools

Typing Test
Image Editor
Code Formatters
Code Converters
Currency Converter
Random Number Generator
Random Password Generator

Write & Earn

Write an Article
Improve an Article
Pick Topics to Write
Share your Experiences
Internships

@GeeksforGeeks, Sanchhaya Education Private Limited, All rights reserved