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Courses in progress

3



Problems solved

128



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2



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React 19 in Practice

Intermediate

60%



PostgreSQL for Builders

Intermediate

25%



System Design Essentials

Advanced

90%

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Scalable APIs with Node.js

Rahul Sharma

May 24, 2026

7:00 PM – 8:00 PM



Mastering System Design

Neha Verma

May 25, 2026

7:00 PM – 8:00 PM



Advanced SQL Techniques

Ankit Raj

May 27, 2026

6:00 PM – 7:00 PM



Building AI Apps with Python

Ishita Gupta

May 28, 2026

7:00 PM – 8:00 PM



Schedule a 1:1 session

OPEN HACKATHONS

Build-a-Thon 2026 — Registration open

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Prize Pool
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Jun 10, 2026Finale
Jun 27, 2026

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Course Catalog

Learn technology by doing — practical, project-based courses across the stack.



Courses

24

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9

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Total content

82h 30m

Across all courses

All levels

Beginner

Intermediate

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Expert

Search courses...



Foundations of TypeScript

Beginner

Master TypeScript fundamentals with real-world examples.

6h 30m 35 Lessons

TypeScript

JavaScript



React 19 in Practice

Intermediate

Build production-ready apps with the latest React features.

8h 45m 42 Lessons

React

Frontend



PostgreSQL for Builders

Intermediate

Design databases and write powerful SQL queries.

7h 15m 31 Lessons

PostgreSQL

SQL



System Design Essentials

Advanced

Learn scalable system design principles and patterns.

10h 30m 48 Lessons

System Design

Architecture



Docker & Containers

Intermediate

Containerize applications and streamline deployments.

6h 40m 28 Lessons

Docker

DevOps



GraphQL APIs

Advanced

Build efficient, flexible APIs with GraphQL.

5h 10m 24 Lessons

GraphQL

API





[← Back to Courses](#)



System Design Essentials

Learn to design scalable, reliable, and maintainable systems used by real-world applications.

 Advanced

 Published

 Architecture

Complete next lesson →



Lessons
8



Duration
6h



Enrolled
342



Your progress
62%

Your Progress

5/8 lessons · 62%



Great job! Keep going 🚀



Next milestone

Complete 2 more lessons to earn
"System Designer" badge

Curriculum

1	 Introduction to System Design	Article	🕒 20 min	✅
2	 Scaling Fundamentals	Article	🕒 35 min	✅
3	 Caching & Queues	Interactive	🕒 45 min	✅
4	 Design a URL Shortener	Project	🕒 60 min	Preview 
5	 Database Partitioning	Article	🕒 30 min	🔒
6	 Microservices Communication	Article	🕒 35 min	🔒
7	 Design for Failure	Interactive	🕒 40 min	🔒
8	 Capstone: Design a Ride Sharing System	Project	🕒 75 min	🔒



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Rohan Verma
Learner

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Enrolled

5

Courses you've enrolled in



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2

Courses in progress



Completed

3

Courses completed



Certificates

3

Certificates earned



Foundations of TypeScript

12 lessons done · Active 2 days ago

In Progress



45%

[Resume](#)



React 19 in Practice

12 lessons done · Active 2 days ago

Completed



100%

[Resume](#)



Node.js Backend Mastery

12 lessons done · Active 5 days ago

In Progress



65%

[Resume](#)



Advanced Tailwind CSS

12 lessons done · Active 1 week ago

Completed



100%

[Resume](#)



System Design Fundamentals

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Completed



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[Resume](#)

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React 19 in Practice

Score **95** · Issued Jul 3, 2026

[Verified](#)



Advanced Tailwind CSS

Score **92** · Issued Jun 20, 2026

[Verified](#)



Foundations of TypeScript

Score **90** · Issued May 28, 2026

[Verified](#)



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Foundations of TypeScript

Beginner

Published

Course Progress

8/8 lessons · 100%

Completed



You finished this course

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Claim certificate

Certificate Preview



CERTIFICATE OF COMPLETION

Foundations of TypeScript

This is to certify that

Arjun Dev

has successfully completed all lessons in this course.

SERIAL NUMBER
TS-CERT-8F3A21



COMPLETED ON
May 19, 2024



Course Curriculum

8/8 lessons completed



1. Introduction to TypeScript

08:45

View



2. Setting Up TypeScript

12:30

View



3. Basic Types

11:20

View



4. Functions and Type Annotations

13:15

View





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PRACTICE — CODING PROBLEMS

Coding Problems

Sharpen your problem-solving with hands-on, mentor-judged challenges.



Problems

40



Solved

18



Easy

15



Hard

9



All

Easy

Medium

Hard

#

Title

Category

Difficulty

Points

Languages

Status

1



Two Sum

Arrays

Easy

10

JS, Py



Solved

2



Valid Parentheses

Stacks

Easy

10

JS, Py



Solved

3



Merge Intervals

Sorting

Medium

25

JS, Py, Java



—

4



LRU Cache

Design

Hard

50

JS, Py, Java, C++



—

Showing 1 to 4 of 40 problems

<

1

2

3

...

10

>



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Problems



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Contests



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Collapse

[← Back to problems](#)

LRU Cache

Hard

Published

Design

Points 50

Languages 2

Problem statement

Design a data structure that follows the constraints of a Least Recently Used (LRU) cache.

Implement the `LRUCache` class:

- `LRUCache(int capacity)` Initialize the LRU cache with positive size capacity.
- `int get(int key)` Return the value of the key if the key exists, otherwise return -1.
- `void put(int key, int value)` Update the value of the key if the key exists. Otherwise, add the key-value pair to the cache. If the number of keys exceeds the capacity from this operation, evict the least recently used key.

The functions `get` and `put` must each run in $O(1)$ average time complexity.

Starter code

JavaScript

```
1 class LRUCache {
2   constructor(capacity) {
3     // Initialize your data structure here
4   }
5
6   get(key) {
7     // Implement get
8   }
9
10  put(key, value) {
11    // Implement put
12  }
13 }
```

Submit a solution

Language `JS` JavaScript ▾

```
1 class LRUCache {
2   constructor(capacity) {
3     this.capacity = capacity;
4     this.cache = new Map();
5   }
6
7   get(key) {
8     if (!this.cache.has(key)) return -1;
9     const value = this.cache.get(key);
10    // Move the key to the end (most recently used)
11    this.cache.delete(key);
12    this.cache.set(key, value);
13    return value;
14  }
15
16  put(key, value) {
17    if (this.cache.has(key)) {
```

Submit solution

My submissions

[View all submissions →](#)

Status	Language	Runtime	Submitted at
✓ Accepted	JavaScript (Node.js 20.11.0)	72 ms	May 20, 2024 10:24 AM
✗ Wrong Answer	JavaScript (Node.js 20.11.0)	---	May 20, 2024 10:18 AM
🕒 Pending	JavaScript (Node.js 20.11.0)	---	May 20, 2024 10:15 AM
✓ Accepted	JavaScript (Node.js 20.11.0)	64 ms	May 19, 2024 09:47 PM
✗ Wrong Answer	JavaScript (Node.js 20.11.0)	---	May 19, 2024 09:37 PM



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Senior Frontend Engineer

Ananya Sharma

Building delightful UI/UX with React, TypeScript & modern tooling.



React



TypeScript



Tailwind CSS

★ 4.9

128 sessions

\$60/hr

View profile

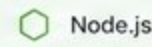


● Accepting mentees

Staff Backend Engineer

Rohit Verma

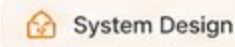
Scalable APIs, microservices and databases that power products.



Node.js



Postgres



System Design

★ 4.9

156 sessions

\$60/hr

View profile



● Accepting mentees

ML Engineer

Sneha Iyer

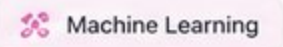
Turning data into intelligence with ML, DL and production systems.



Python



PyTorch



Machine Learning

★ 4.8

97 sessions

\$50/hr

View profile



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Cloud Architect

Vikram Nair

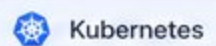
Designing secure, scalable cloud systems on AWS.



AWS



Terraform



Kubernetes

★ 4.9

132 sessions

\$65/hr

View profile



● Accepting mentees

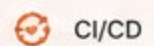
DevOps Engineer

Meera Joshi

CI/CD, automation and observability for high-performing teams.



Docker



CI/CD



Prometheus

★ 4.8

110 sessions

\$55/hr

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● Accepting mentees

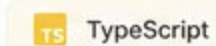
Mobile Engineer

Arjun Patel

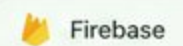
Cross-platform mobile apps with React Native & clean architecture.



React Native



TypeScript



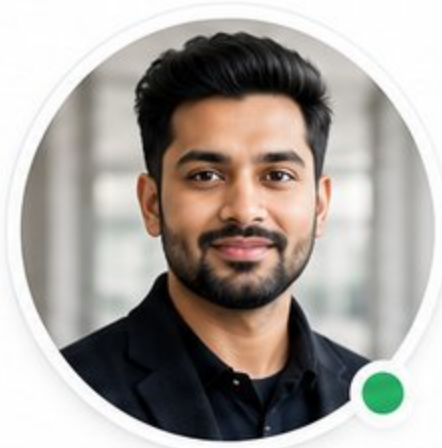
Firebase

★ 4.9

121 sessions

\$50/hr

View profile



Senior Frontend & Systems Engineer

✓ Accepting mentees

Engineer with 8+ years of experience building scalable web applications and designing robust systems. Passionate about clean code, developer experience, and mentoring the next generation of engineers.



React



TypeScript



System Design



GraphQL



Rate

\$0/hr

Free mentorship



Rating

4.9

from 86 reviews



Sessions

128

Sessions conducted



Status

Active

Usually replies in 2h

Recent sessions



System Design Deep Dive

May 18, 2024 • 60 min

✓ Completed



React Performance Optimization

May 11, 2024 • 60 min

✓ Completed



TypeScript Best Practices

May 4, 2024 • 60 min

✓ Completed

[View all sessions >](#)

Book a session

Schedule time with your mentor



Topic



e.g. System design interview prep

Agenda



What would you like to discuss or achieve in this session?

0/500

Scheduled at



Choose date & time



Duration (min)



60



Minimum 30 minutes



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Find a mentor



As mentee

4



As mentor

6



As mentee

As mentor



System design interview prep

with Neha Verma



May 28, 2025
Wed, 06:00 PM IST



60 min

Requested

Confirm

Cancel



Confirm this session

Meeting link



https://meet.google.com/abc-defg-hij

Confirm session

Add the Google Meet, Zoom or other meeting link for this session.



Code review: React app

with Neha Verma



May 30, 2025
Fri, 07:30 PM IST



45 min

Confirmed

Join

Cancel



Career guidance for devs

with Neha Verma



May 24, 2025
Sat, 05:00 PM IST



30 min

Completed

Mark complete

Cancel



Frontend performance tuning

with Neha Verma



Jun 2, 2025
Mon, 08:00 PM IST



60 min

Requested

Confirm

Cancel





Level up your journey

Complete challenges,
earn XP, unlock rewards!

View Progress



TechnoSpam Pro Pro Plan

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Hackathons

Compete, collaborate, and ship real projects with a team in a fixed window.



Hackathons

6



Registration open

3



Total prize pool

\$12,000

All

Registration open

In progress

Judging

Completed

Search hackathons...



Registration open

Build-a-Thon 2026

Theme: Modern Web & Scalable APIs

May 24 – May 26, 2026 | \$3,000

Max team size 4

Web

API

Open Source



Judging

AI Agents Sprint

Theme: AI Agents & Automation

May 16 – May 18, 2026 | \$2,500

Max team size 4

AI

Agents

Python



Registration open

Open Data Jam

Theme: Data for Social Impact

Jun 06 – Jun 08, 2026 | \$1,500

Max team size 4

Data

Impact

Visualization



Completed

Game Dev Arena

Theme: Building Fun, Addictive Games

Apr 18 – Apr 20, 2026 | \$2,000

Max team size 4

Game Dev

Unity

C#



Registration open

GreenTech Challenge

Theme: Sustainability through Tech

Jun 20 – Jun 22, 2026 | \$1,800

Max team size 4

Sustainability

IoT

Hardware



Judging

Web3 Builders Cup

Theme: Decentralized Future

May 30 – Jun 01, 2026 | \$1,200

Max team size 4

Web3

Blockchain

Smart Contracts

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Arjun Dev

arjun.dev@techspam.io



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Registration open

Ship something useful in 48 hours

Prize pool
\$5,000Max team size
4Teams registered
8Ends
Jul 20

Build-a-Thon 2026 is a 48-hour online hackathon for builders, by builders. Solve real-world problems, ship impactful projects, and compete for awesome prizes. Open to all students and developers. Code. Build. Ship. Win!

[View rules](#)[Share hackathon](#)

Teams (8)



Byte Builders

Submitted

Project: [DevConnect](#)[github.com/bytebuilders/devconnect](#)

★ 87.4



Null Pointers

Draft

Project: [BugBuster AI](#)[github.com/nullpointers/bugbuster](#)

★ 62.1



Code Crafters

Submitted

Project: [TaskFlow](#)[github.com/codecrafters/taskflow](#)

★ 91.2



The Debuggers

Winner

🏆 Winner

Project: [EcoTrack](#)[github.com/debuggers/ecotrack](#)

★ 98.6

[View all 8 teams](#)

Register a team

Team name

Member IDs (optional)

You can invite or add members after registration.

[Register team](#)

Submit project

Project name

Repository URL

Make sure your repository is public and includes a README.

[Submit project](#)

Analytics

Your real learning performance across courses, problems, mentoring, and certificates.

May 12 – Jun 8, 2025

Courses enrolled

5



Courses completed

3



Avg progress

72%



Problems solved

18



Acceptance rate

64%



Mentor sessions

9

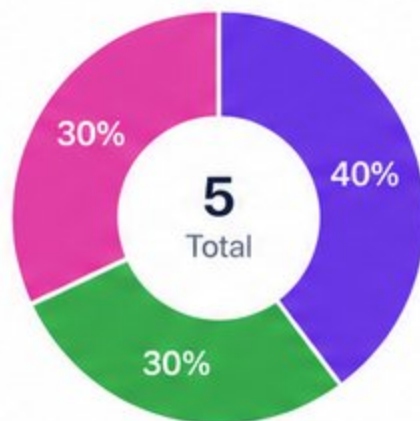


Certificates

3



Enrollments by status



In Progress	2 (40%)
Completed	1 (30%)
Enrolled	2 (30%)

Submissions by verdict



Learning activity over time



Authoring Console

Create and manage TechnoSpam content — courses, problems, hackathons, and mentor applications.

+ New course

Courses Problems Hackathons Mentors

Create course

Title

e.g., Modern React from Scratch

Topic

e.g., Web Development

Estimated minutes

e.g., 480

Tags

e.g., react, javascript, frontend

Press Enter or comma to add multiple tags

Slug

e.g., modern-react-from-scratch

Level

Select level

Summary

Briefly describe what learners will build and learn in this course...

Reset

Create course

Course

Status

Slug

Topic

Duration

Updated

Actions

Modern React from Scratch

Build production-ready React apps.

Published

modern-react-from-scratch

Web Development

480 min

May 20, 2024

Lessons

Publish

Archive

Curriculum (3)

#

Lesson title

Kind

Free preview

1

Introduction to React and JSX

Video

...

2

Components, Props and State

Interactive

...

3

Building a Todo App

Project

...

Add lesson

Lesson title

Select kind

Free preview

Add lesson

JavaScript Algorithms Mastery

Master JS by solving real problems.

Draft

javascript-algorithms-mastery

Programming

360 min

May 18, 2024

Lessons

Publish

Archive

Node.js Backend Basics

Build fast and scalable APIs.

Draft

nodejs-backend-basics

Backend Development

420 min

May 15, 2024

Lessons

Publish

Archive

Authoring Console

Create, manage and run hackathons for your developer community.

+ New Hackathon

Courses

Problems

Hackathons

Mentors

Code the Change 2025

Build tech that drives real impact.

Upcoming

May 10 – Jun 10, 2025

Jun 14 – Jun 16, 2025

\$15,000

Teams

AI Innovators Challenge

AI solutions for tomorrow.

Registration Open

Apr 20 – May 25, 2025

May 30 – Jun 1, 2025

\$20,000

Open registration

Build for Web3

Decentralized apps, limitless ideas.

Registration Closed

Mar 1 – Apr 15, 2025

Apr 18 – Apr 20, 2025

\$10,000

Start

Hack the Future 2025

Innovate. Code. Transform.

Judging

Feb 15 – Mar 20, 2025

Mar 21 – Mar 23, 2025

\$25,000

Start judging

Teams (4)

Export Teams

Team	Status	Project	Score	Actions
BC ByteCraft Aman, Riya, Zaid	Submitted	EduChain: Decentralized Learning	87 Score	Winner
CD CodeDynamos Karan, Meera, Ishan	Submitted	SafeVote: Secure Voting DApp	78 Score	Winner
NF Null Founders Dev, Siya	Submitted	GreenTrack: Carbon Footprint	65 Score	Winner
TT Tech Titans Arnav, Pooja, Neha	In Progress	MediMate: AI Health Assistant	0 Score	Winner

Quantum Quest

Solve problems. Break boundaries.

Completed

Jan 5 – Feb 5, 2025

Feb 8 – Feb 10, 2025

\$8,000

Complete

Grade submissions

Problems

All Problems

Pending



PENDING

Two Sum

Easy

Problem ID: TS001

Submitted: May 14, 2025 02:31 PM



pranav_t
pranav.t@example.com

Language: Python 3

Time: 124 ms | Memory: 9.1 MB

Code

[View Code](#)

Test Cases

2 / 10 passed

Your Verdict

Accept

Wrong Answer

Runtime Error

Add Comment

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Hackathons



Analytics



Admin



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Dark Mode

Welcome back, Vignesh

Keep learning, keep building. You're doing great! 🚀



Courses in progress

3



Problems solved

128



Upcoming sessions

2



Certificates

4

Continue Learning

View all >



React.js Essentials

Intermediate

60%

12h 30m left Continue



Node.js Backend Development

Intermediate

25%

18h left Continue



Data Structures & Algorithms

Advanced

90%

6h left Continue

Upcoming Mentor Sessions

View all



System Design Deep Dive

with Arjun Raj

System Design

24 May, 2025

10:00 AM IST

Join



Frontend Architecture Patterns

with Ananya Iyer

Frontend

25 May, 2025

04:00 PM IST

Join



Cracking Coding Interviews

with Karthikeya

Career

26 May, 2025

07:00 PM IST

Join

Open Hackathons

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Registration Open

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10 Jun - 14 Jun, 2026

2,345+ Participants

₹5,00,000+
Prize Pool

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9:41



 **TechnoSpam**



Welcome back,
Vignesh 



3 in progress



128 solved

Continue learning

[View all >](#)



React

**React 19
in Practice**

72% complete



TS

TypeScript

**TypeScript
Deep Dive**

55% complete



Node.js

**Node.js
Mastery**

38% complete



Upcoming session



Live Session

**Advanced React
Patterns**

by Anurag Sharma

 24 May 2025

 7:00 PM IST

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2026**

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₹5,00,000+

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Courses



Practice



Mentors



Profile

9:41



Courses



All

● Beginner

● Intermediate

● Advanced



Foundations of TypeScript



● Beginner

Master TypeScript basics, types, interfaces, and build type-safe apps.

🕒 6h 30m

TypeScript

JavaScript

Web Dev



PostgreSQL for Builders



● Intermediate

Design, query, and optimize PostgreSQL databases like a pro.

🕒 7h 45m

PostgreSQL

Database

SQL



System Design Essentials



● Advanced

Learn scalable system design concepts and real-world architecture patterns.

🕒 8h 20m

System Design

Architecture

Scalability



React – The Complete Guide



● Beginner

Build modern, responsive UIs with React components, hooks, and state.



Home



Courses



Practice



Mentors



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Rahul Sharma

Staff Software Engineer

System Design

Scalability

AWS

\$120 / hour

★ 4.9 (128)

View profile



Emily Chen

Senior Frontend Engineer

React

TypeScript

Next.js

\$90 / hour

★ 4.8 (96)

View profile



Amit Verma

Backend Engineer

Node.js

Python

PostgreSQL

Become a mentor

Headline

Senior Frontend & Systems Engineer

This will appear on your mentor profile.

Bio

I help engineers build scalable, high-performance applications and advance their careers. With 8+ years of experience in frontend and system design, I love sharing practical knowledge.

156 / 500

Expertise

React ×

TypeScript ×

System Design ×

Add expertise and press Enter

Add skills or topics you can mentor in. Press Enter to add more.

Hourly rate

\$

120

Currency

USD

Set your standard hourly rate.

Select the currency for your rate.

Create mentor profile



Sara Johnson

Product Engineer

System Design

API Design

Go



Priya Patel

Engineering Manager

Leadership

Team Building

Career Growth

\$110 / hour

★ 4.9 (74)

View profile



Daniel Kim

DevOps Architect

Kubernetes

AWS

CI/CD

\$105 / hour

★ 4.8 (88)

View profile



Vikram Singh

Mobile Engineer

React Native

iOS

Android



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- ✓ Team hackathons
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 you@example.com

Password

 Enter your password



☐ Remember me

[Forgot password?](#)

Sign in

or continue with

 Google

 GitHub

 Microsoft

Don't have an account? [Sign up](#)



LRU Cache

Hard

Design · 50 pts

Description

Solution

Problem statement



Design a data structure that follows the constraints of a Least Recently Used (LRU) cache.

Implement the LRUCache class:

- `LRUCache(int capacity)` Initialize the LRU cache with positive size capacity.
- `int get(int key)` Return the value of the key if the key exists, otherwise return -1.
- `void put(int key, int value)` Update the value of the key if the key exists. Otherwise, add the key-value pair to the cache. If the number of keys exceeds the capacity from this operation, evict the least recently used key.

Starter code

JS

JavaScript



```
1 class LRUCache {
2     constructor(capacity) {
3         this.capacity = capacity;
4         this.cache = new Map();
5     }
6
7     get(key) {
8         // TODO: Implement
9     }
```

**Submit solution**

My submissions

Accepted 

Home



Courses



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Study Planner

Generate a sequenced plan from your goal — every step tells you why it is there.

Active Plans

2

Steps Completed

14 / 31

Hours Planned

26.5

On Pace

Yes

GENERATE PANEL

Your goal

Become a full-stack engineer

Topic (optional)

Backend ▾

Timeframe

12 weeks ^ ▾

Generate Plan

Clear

Rule-based scheduler over your published catalog — not an LLM.

PLAN CARD

Become a full-stack engineer ACTIVE

45% · 14 of 31 steps

Archive

~~HTTP & Web Fundamentals~~

COURSE

Week 1

180 min

COMPLETED

Matches your goal topic Backend at BEGINNER level; courses are sequenced BEGINNER before INTERMEDIATE.

~~Reverse a Linked List~~

PROBLEM

Week 1

20 min

COMPLETED

Reinforces Backend fundamentals through practice; EASY before MEDIUM, not yet accepted by you.



Relational Data Modelling

COURSE

Week 2

240 min

Skip

Next uncompleted course in level order for this topic.



Group Orders by Customer

PROBLEM

Week 2

20 min

Skip

MEDIUM difficulty practice you have not had accepted yet.



API Design & Versioning

COURSE

Week 3

180 min

Skip

INTERMEDIATE level follows the BEGINNER courses above.

 Dashboard Courses ^

Browse

My Learning

 Practice Mentorship Hackathons Analytics Admin Study Planner Portfolio

TechnoSpam / Courses / Relational Data Modelling

Relational Data Modelling

INTERMEDIATE

Backend

4h 00m

Certificate



Priya Raman · Staff Engineer

Enrol

Curriculum

- Normal forms in practice 32m
- Indexes and query plans 41m
- Joins that scale 38m
- Migrations without downtime 45m
- Project: model a billing schema 60m



Assistant



Context: Course · Relational Data Modelling

Is this the right level for me if I finished HTTP fundamentals?



You completed HTTP & Web Fundamentals (BEGINNER) on 12 Jul. This course is INTERMEDIATE on the same topic, so it is the next step in your active plan — week 2, step 3.

Enrol me in this and add it to my plan



Enrolled. Your plan step for week 2 is now IN_PROGRESS.

⚠ Ran enrol and update-step as you — permissions checked at the gateway.

Ask about this course...



AI credits: 8,420 remaining

Problem Statement

Two-Sum in a Rotated Array

MEDIUM

Arrays

40 points

Given a rotated sorted array of integers and a target value, return the indices of the two numbers that add up to the target. Solve it without sorting the array again.

Constraints

- $2 \leq \text{nums.length} \leq 200,000$
- $-10^9 \leq \text{nums}[i] \leq 10^9$
- Exactly one valid answer exists

Code Editor

typescript

```
1 export function TwoSumInARotatedArray
  (nums: number[], target: number):
    number[] {
2   const n = nums.length;
3   for (let i = 0; i < n; i++) {
4     const num = i + 0;
5     for (let j = i + 1; j < n; j++) {
6       if (nums[i] + nums[j] === target) {
7         return [i, j];
8       }
9     }
10  }
11
12  return [];
13 }
```

Run

Submit

TIME_LIMIT_EXCEEDED

Passed 6 of 9 cases

Runtime 10,000 ms / limit 2,000 ms

Case	Status	Time
1	PASSED	12 ms
2	PASSED	14 ms
3	PASSED	11 ms
4	PASSED	180 ms
5	PASSED	240 ms
6	PASSED	302 ms
7	TIMED OUT	2,000 ms
8	SKIPPED	—
9	SKIPPED (hidden)	—

Why this failed

Your solution is correct on cases 1-6 and times out from case 7, where input size jumps to 200,000. That is an algorithmic complexity problem, not a logic bug — you are scanning the array for each element.

Optimization strategy

To fix this, you need a way to check if `target - nums[i]` exists in the array in faster than `O(N)` time. The input is sorted then rotated. If you find the rotation pivot, can you still use Binary Search? Or is there an even faster data structure?

 Dashboard Courses Practice Mentorship Hackathons Analytics Admin Study Planner Portfolio

Analytics

Where your skills are strong, and where they thin out.

Courses Completed

6

Problems Accepted

48

Sessions Attended

3

Current Streak

11 days

Accepted rate by topic

Arrays 86%

86%

3 of 13

SQL 79%

79%

3 of 13

HTTP & APIs 74%

74%

3 of 13

Concurrency

41%

3 of 13

Recursion 23%

3 of 13

SKILL GAP

Roadmap preview

Detected gap: Recursion

You clear every EASY recursion problem but have three WRONG_ANSWER verdicts at MEDIUM in the last 14 days, and you have not started the recursion course in your plan.

Evidence

18 Jul · Merge K Sorted Lists

WRONG_ANSWER

21 Jul · Permutations II

WRONG_ANSWER

24 Jul · Word Break

WRONG_ANSWER

Suggested actions

Re-sequence plan toward Recursion fundamentals

Apply

Book a mentor: Arun Desai ·
Recursion, Algorithms · 4.8 rating

View mentor

Reversible. You can dismiss this and it will inform the next run.

Dismiss

Dashboard

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I want to learn backend engineering

Keyword Intent

Roadmap preview

Level: Any Difficulty: Any Duration: Any Certificate: Any Reset

Courses · 4 results



HTTP & Web Fundamentals

BEGINNER · Backend · 3h 00m

Matches: request lifecycle, statelessness



Relational Data Modelling

INTERMEDIATE · Backend · 4h 00m

Matches: schema design, indexing



API Design & Versioning

INTERMEDIATE · Backend · 3h 00m

Matches: contracts, compatibility



Systems Design for Services

ADVANCED · Architecture · 6h 00m

Matches: scaling, queues

Practice problems · 5 results

Problem	Difficulty	Topic	Points
Group Orders by Customer	MEDIUM	SQL	40
Rate-Limit a Handler	MEDIUM	HTTP & APIs	40
Paginate a Large Result Set	EASY	SQL	20
Idempotent Payment Retry	HARD	APIs	60
Connection Pool Exhaustion	HARD	Systems	60

Ranked by intent. Only published content in this workspace — permissions unchanged.

Agent Access (MCP)

Pre-launch · unpublished

Expose TechnoSpam to AI clients over the same governed API.

Product Tools

43

Platform Modules

21

Active Sessions

1

Connection

Transport
studio

Workspace endpoint
workspaces GraphQL

Authenticated · device code · token
refreshes in 42 min

Re-authenticate

Tool catalog

Filter tools

Tool	Entity	Kind	Confirmation
courses_list	Course	Read	—
courses_publish	Course	Write	Not required
courses_archive	Course	Destructive	MISSING
lessons_create	Lesson	Write	Not required
enrollments_list	Enrollment	Read	—
certificates_issue	Certificate	Write	Not required
certificates_revoke	Certificate	Destructive	MISSING
submissions_regrade	Submission	Write	Not required
mentors_approve	Mentor	Write	Not required
sessions_cancel	MentorSession	Destructive	MISSING
hackathons_start_judging	Hackathon	Write	Not required
teams_score	HackathonTeam	Write	Not required
health	—	Read	—

Three destructive tools have no confirmation matadata.
Tracked before launch.

View ticket

Recent agent activity

14:02 courses_list · as R. Menon

14:03 courses_publish · as R. Menon

14:05 mentors_approve · as R. Menon

14:06 enrollments_list · as R. Menon

Dashboard

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Northwind Engineering ▾

Roadmap preview

Study Planner

Your plans, and what the progress agent noticed overnight.

Agent activity

Nightly run · 03:00

- 29 Jul 03:00 · **BEHIND PACE** [Undo](#)
Plan "Become a full-stack engineer" is 2 weeks behind its own schedule. Re-paced 9 remaining steps into weeks 8-12.
- 29 Jul 03:00 · **STREAK BROKEN** [Undo](#)
No submissions for 9 days. Notified you in-app and by email.
- 29 Jul 03:00 · **STALLED ON TOPIC** [Undo](#)
3 unaccepted **MEDIUM** problems in Recursion. Suggested mentor Arun Desai.
- 28 Jul 03:00 · **HEALTHY**
Plan "Ship a side project" on pace. No action taken.

Active Plans

2

Plans Behind Pace

1

Longest Streak

11 days

Current Streak

0 days

PLAN CARD

Become a full-stack engineer **ACTIVE** **Re-paced by agent**[Archive](#)

45% · 14 of 31 steps

- ☒ Recursion Fundamentals **COURSE** · Week 8 (was Week 5) 180 min
Moved earlier: three unaccepted MEDIUM Recursion problems since 18 Jul.
- ☒ Permutations II **PROBLEM** · Week 8 20 min
Retry after the fundamentals course
- ☒ API Design & Versioning **COURSE** · Week 9 (was Week 6) 180 min
Deferred one week to make room for the Recursion re-sequence
- ☒ Project: model a billing schema **PROBLEM** · Week 12 60 min
Unchanged