0-to-hero

01/10 Mentors <> 01/10 Sessions

Emin Guliyev

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Amazon & AWS
Microsoft
Azercell

Technical University of Munich – CS (master)
Baku State University – CS (bachelor & master)

https://www.linkedin.com/in/eminguliyev/

Denmark for live & work

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Pro-s

- Nice Azerbaijan community

Con-s

- Expensive prices
- Negative weather
- Limited choice in markets
- Bureaucracy in medicine
- No child allowance in first 2 years

Germany for live & work

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Pro-s

- High salary & low prices
- Big companies (Amazon, Google, Microsoft)
- Good social support for spouses and kids

Con-s

- N/A

Preparations for Interviews

- Algorithm Design Manual by Skiena
- Cracking the coding interview 6th edition
- Grokking the System Design Interview
- Watch system design youtube videos(https://www.youtube.com/watch?v=us0qySiUsGU for example)
- In leetcode daily solved 4-5 medium-hard problems myself. In total 203 problems in leetcode.
- Mock interviews with friends once a week

System design interviews

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- Consistent hashing
- MapReduce
- Vertical and horizontal scaling
- Load Balancing
- Caching
- Data Partitioning (by hash / value / rank)
- Redundancy and Replication
- SQL vs. NoSQL
- CAP Theorem(Consistency, Availability, and Partition tolerance)
- Long-Polling vs WebSockets

Behavioral questions (Star technique)

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- S – Situation - background info
- T – Task - what you had to do
- A – Activity - what you did - this should be the longest part of the answer
- R – Results - positive; quantifiable; what you learned; what you would do differently next time

Behavioral questions (leadership principles)

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- **Customer Obsession**
- **Ownership**
- **Invent and Simplify**
- **Are Right, A Lot**
- **Learn and Be Curious**
- **Hire and Develop the Best**
- **Insist on the Highest Standards**

- **Earn Trust**
- **Dive Deep**
- **Have Backbone; Disagree and Commit**
- **Deliver Results**
  Think Big
- **Bias for Action**
- **Frugality**

Thanks!