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Job Interviews

Facebook EM(Engineering Manager) Onsite Interview

A   **aqcD25**
     May 12

I'm going for a Facebook Engineering Manager onsite interview in 2-3 weeks, need some help for prep.

Facebook   EM   Engineering Manager   Interview

Questions

1. What kind of interview process I will face typically? Is the complexity of technical questions during the interview similar to SDE loop?

   50 words minimum.

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1 Answer

I   **IFnh56**   Facebook   + Ask
     May 12

1. What kind of interview process I will face typically? Is the complexity of technical questions during the interview similar to SDE loop?

   FB EM onsite interview process usually has 6 rounds: 1 round of coding, 2 rounds of architecture/design, 1 culture fit, 1 People management, 1 project management/experience. Here are the details:

   Architecture/Design (2) - (45 min. in length)
   This interview will focus on system design and architecture – think distributed systems and APIs – very focused on building/implementing a structure/product. One example of a question: How would you build a chat system that handles millions of concurrently connected users? Be sure to be very thorough in your explanation, we are generally looking for a boxes and arrows diagram on the whiteboard.

   A couple of things to focus on in this interview:
   - Communication is key, you will be steering the conversation and it will be up to you to understand the pr
   and ask clarifying questions.

- Our engineers will be focusing on your familiarity with complex systems.

Some topics you should be familiar with:
- Concurrency (threads, deadlock, starvation, consistency, coherence) -Networking (IPC, TCP/IP)
- Abstraction (understanding how OS, filesystem, and database works) -Real-world performance (relative performance RAM, disk, your network, SSD)
- Availability and Reliability (durability, understanding how things can fail) -Data storage (RAM vs. durable storage, compression, byte sizes)
- CAP Theorem
- byte math

Note that we're not looking for you to be an expert in ALL of these, but you should know enough of them to weigh design considerations and know when to consult an expert.

For practice:
- Work with a fellow engineer on mock design sessions
- Dig into the implementation and performance of an open source system, understand things like how the system stores data on disk and how it compacts data
- Be familiar with how databases and operating systems work
- Practice on a whiteboard

Coding - (45 min. in length)
You will have one interview that will focus on coding. Your interviewer will be assessing for accurate, fast, and well-thought-out code. They'll be looking for your thought process, so be sure to provide a narrative as you go through the code. You're welcome to code in whatever language you feel most comfortable, but choosing one that is going to assist in getting an optimal solution in the speediest and efficient manner is key.

In addition to reviewing the CS fundamentals, these tips may be helpful:
- Understand the problem you have to solve. Ask clarifying questions. We want to understand your thought process.
Think about different algorithms and algorithmic techniques (sorting, divide- and-conquer, dynamic programming/memorization, recursion)
- Think about data structures, particularly the ones used most often (Array, Stack/Queue, Hash set/Hash map/Hash table/Dictionary, Tree/Binary Tree, Heap, Graph, Bloom Filter, etc.,
- Sometimes modifying the problem or thinking about it in smaller pieces may be helpful.
- Practice coding on a whiteboard

Culture/Coding - (1 hour in length)
This interview will be with one of our engineering leaders and will consist of a combination of two aspects: a conversation and coding. During the conversation, the interviewer will be asking questions about your technical background, what you're looking for at Facebook, and why FB specifically (vs. other companies). Some questions might include: what you've been doing in the past, why FB, what you would improve/change at FB, where you foresee making an impact, etc. The second part of the interview will focus on coding – the interviewer will provide a coding question (similar to your other coding interview).

EM – Project Retrospective (45 min. in length)
This interview will be a detailed dive on a project you have worked on and/or lead in the past. Can you articulate why it was important to the company? How deep does your technical knowledge go? Why did you make key

design choices? What was its priority relative to other engineering projects at the company? What would you have done differently?

EM – People Management (45 min. in length)
A fairly unstructured interview, but in general focused on philosophy, process, and strategy around your management experience. Be prepared with stories highlighting your people management, coaching/mentorship, building a team, success hiring and firing, examples of managing strong performers and low performers (how did you help turn situations around).

A   aqcD25 ★★★★★

I strongly recommend this user. I went through the process exactly as shown. Rock on!

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