

## Facebook On Site Interview Scheduling and Preparation

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Fri 4/27/2018, 3:49 PM

To:Ricardo Guzman <rrguzman1976@hotmail.com>;

Hi,

I have great news for you. We would like to invite you on-site for an interview with the Data Engineering team!

### Some things I need from you:

- Availability for your onsite interview in Menlo Park. Here are the dates that are currently available: **Monday May 21<sup>st</sup>, Friday June 1<sup>st</sup>, Monday June 4<sup>th</sup> and June 8<sup>th</sup>. We don't have any other dates open yet if you want more dates in mid-end of June I can send over once published.**
- The onsite interview will last approximately 4 hours total and generally start at 10:00 AM PST depending on availability.
- Availability for a 30 to 45-minute **preparation call** with me (the prep call is not part of the interview, but it is designed to maximize your readiness for the interview. For the call, please have the attached prep guide open and be in a quiet place where you can focus while you take notes). Ideally, the call should take place at least 1.5 to 2+ weeks prior to the interview.

### On-site Interview Preparation Information:

Please review the information below that describes our Data Engineering interview format.

**Please also reference the attached document prior to our prep call as a guide.**

### **Onsite Interview Format:**

You will be meeting with 5 different people. The interview structure is as follows (in no particular order):

1x – Data Modeling problem (1 hour)  
2x – ETL problems (1 hour each)  
1x – Ownership discussion (30 minutes)  
1x – Lunch (45-60 minutes)

### **Data Modeling**

You will brainstorm the data needs of a user product. Then you will design a **data mart** to support analytics use cases and write select **SQL** statements to produce specific results.

### **ETL**

You will solve a complex ETL (extract transform load) problem. You will design source and target schemas and write **SQL** and procedural **code** to transform and load the data.

### **Ownership**

Data Engineers need to take initiative in their role, so we will ask questions about your past experiences where you have been able to demonstrate this.

### **Lunch**

Lunch with one of our Data Engineers, which will be your chance to ask all questions you have about what life is like as a Data Engineer at Facebook.

### **Additional Resources:**

Here are some links that you might find helpful in preparing for the interview:

### Data Modeling

- [https://en.wikipedia.org/wiki/Data\\_model](https://en.wikipedia.org/wiki/Data_model)
- [https://en.wikipedia.org/wiki/Data\\_mart](https://en.wikipedia.org/wiki/Data_mart)
- [https://en.wikipedia.org/wiki/Dimensional\\_modeling](https://en.wikipedia.org/wiki/Dimensional_modeling)
- <https://en.wikipedia.org/wiki/Denormalization>

### SQL

- [SQL Tutorial](#)

**Code** - basic procedural concepts, Python, Java, or Scala (use the guide for the language you plan to use during the interview)

[Python Guide](#)

[Java Guide](#)

[Scala Guide](#)

Below are some recently posted external bios for Data Engineers from the team. These will help give you a better sense of what drives the Data Engineers within Facebook Analytics.

- [An inside look at Data Engineering at Facebook](#)
- <https://fb.careers/DERohitBio>
- <https://fb.careers/MichaelBBSB>
- <https://fb.careers/ShawnaBSB>

Please also **be prepared to discuss Facebook products**. If you are not a user of our products, we'd suggest you familiarize yourself again with how Facebook works.

I hope this information is helpful. Let me know if you have any other questions or need anything else. Thanks, and looking forward to meeting you in person!

Kind regards,  
Prema

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