

## Self-introduction

I am currently a master's student at SJSU majoring in Software Engineering, specializing in Data Science. Recommendation system on movie/book/job application and build a mobile application using Apple AR kit with NASA. build my own physical engine, object collision and use Unity to build an AR project under Professor Jared Finder who is the Manager of AR team in Google

Before I went back to school, I was the lead software engineer at Laioffer, which is an online education platform for CS students. I have three main responsibilities right there.

First of all, I develop an application just like LeetCode with over 50 APIs from design to actual production in the back end. Each line of the code was written followed by the industry best practice and they have over 90% testing coverage. As the main priority of the product, the user growth was increased by 480% within ten months.

Secondly, I built new pipelines for testing and staging environments and simplified the data pipelines for production environments on AWS including CI/CD. As a result, the deployment duration reduced from an hour to 8 mins.

Last but not least, I lead and collaborate with multiple teams from Canada and China to fulfill localization requirements. Since the solutions for the same feature might difference between regions, I need to constantly learn and explore the least techniques in order to provide the best possible solution to handle different situations.

So with my four years of experience in the industry, I am passion to bring my expertise to the company and turn great ideas into real-world products.

### Third-person introduction

Kun is a full-stack software engineer with 3 years of experience in the industry. Skilled at delivering large-scale web applications and internal systems using the latest technologies and techniques such as Go, GraphQL, Docker, Tensorflow, and AWS.

His strong work ethic is demonstrated by the fact that he is completing his master's degree in Software Engineering in SJSU while also working as a Teaching Assistant for another 5 graduate courses on campus. These experiences have enabled him to gain a realistic view of the demands and challenges of the industry.

Before he went back to school for the degree, he was a lead software engineer in a startup called Laioffer that helped train and improve new graduates' technical skills for landing their first job. In his role, he was involved in the development from design to final production stage, which enables his ability to understand the workflow cycle as a full-stack engineer. He adapted to the fast-paced environment quickly and was able to deliver the results efficiently even in a challenging setting. For instance, he learned and constructed multiple data/build pipelines on AWS within a week to improve the performance of the company website.

In addition, he acted as a strong leader, guiding interns and juniors to create internal systems from concept to production such as automated testing framework, ranking system and Redis cache layer. He proactively communicated and listened to his colleagues and was able to adjust their needs accordingly.

As a dedicated and self-driven individual with a well-rounded background and knowledge of multiple aspects of computer science, I am confident that Kun has the intellectual ability and positive attitude to leverage his strengths in order to positively contribute to a valuable company.

### learning new things/interesting project

I recently working on a very interesting project that I need to develop an AR mobile application for NASA. What I need to do is to display aircraft models with animation and details from NASA to the general public. In order to do that, I need to figure out how to build a mobile application with AR on the front end and how to display AR models inside the app from backend APIs. I spent lots of time learning how to create a user-friendly UI for users to navigate between different aircraft without feeling dizzy and how to deliver this project on time by helping my teammates to solve their issues whenever they got stuck.

Project:

## Leaderboard

S: My manager asked me to finish an entire leaderboard feature from design to production all by me alone within 3 days. T: The task was including confirm product and UI design with the designer and front-end engineer, and also design over 20 APIs from scratch including the caching layer in Redis. A: After breaking down all the tasks with the cost of time in a paper. I brought this paper to my manager and asked him which task might not be necessary to be finished within 3 days so I can deliver the core feature first or he can send one more person from our team to help me finish this feature. R: Finally, I finished the entire feature with an intern in my team within 3 days. All the code was well commented, fully tested, and viewed by my co-worker to ensure the coding quality. After completing the task, I earned the trust of my manager which he knows I am able to handle tight deadlines and deliver a great result. It is a very valuable experience for me to handle similar situations in the future.

Flutter: TODO

## Setup Testing/Staging environment with CI/CD + testing

S: On the very first day at Laioffer, I was being asked to take over the entire backend system by myself from the principal software engineer within four weeks. It is because he was going to leave the company by the end of the month. T: Besides that, I had to split the front-end code from the back-end repository and set up the build pipeline on AWS accordingly. It was difficult to manage everything at the same time. A: So the first thing I do was to break down each task into small tasks which I could finish each of them within a day and prioritize them as a to-do list. And then for some tasks, I had asked either my manager or my co-workers for clarification and resources that was needed. R: Luckily, the whole transaction went smoothly and I was able to enhance the build pipeline and reduced the deployment duration from an hour to 8 mins.

Solving a complex problem using simple solution AWS HK servers -> Alibaba Cloud

Our team needs to set up a new set of servers in China, but AWS has only one data center in HK. It was difficult to use servers from HK to serve the entire China within 200ms delay in order to provide the best user experience to our users. It was also complex to apply optimization to overseas servers and test everything remotely. So I need to find a way to either speed up our servers or find another solution. Luckily, I found another cloud server provider called Alibaba Cloud which is the No.1 cloud server provider in China. And all we needed to do was first synced all the changes from US AWS servers to HK AWS servers, then distributed those changes from the HK servers to servers in mainland China. However, it took weeks to set up servers in major cities of China and we were able to provide servers to our customers within a 200ms delay.

褐色为 BQ:

## Why Amazon? / Why you choose this position

Customer First

Bigger Impact, < 10M, ownership

Learn and Be Curious

There are three reasons why I want to join X company. First of all, I want to develop an application that puts the customer as first priority so users love it. I believe I shared the same goal with ?.

Secondly, there are a lot of constraints and limitations for my past employer such as lack of data and support. Therefore, I would like to jump into a larger platform so I am able to make a bigger impact.

Last but not least, By having 4 years of experience working with API development and microservers. I am interested in teams like Alexa, Amazon Web Services, and Amazon Cloud. I would like to learn and be part of the world's best company.

## The biggest mistake/fail you made and what did you learn from it?

There is a time, I cause a production bug because of the environmental difference between the local and production environment. The migration script was not executed properly in the production, so some of the data was out of sync and it caused some reporting features not display properly. Therefore, my manager called me at 1 AM to fix this issue. I was able to fix the issue within ten minutes. However in order to prevent the same thing from happening again not just for me but for the whole team. I set up a new staging pipeline and fully automate the process from the testing environment to the production environment to minimizes manual processes. What I had learned from it was we should invest more time and resources to build up a system with higher standards. So we can minimize manual processes and be able to consistently produce great results from them.

## Conflict What do you do when people disagree with your ideas? Show output

There is one time that my co-worker and I came up with different solutions for caching a feature. In order to better understand both solutions before we can make a decision, I did some research on both solutions to compare their pros and cons and come up with a sample demo for them. Then I set up a meeting with my coworker and discussed what I found with the demo. In the end, we both agree that my solution will result in less resource spent and higher efficiency so we go with it. I see this kind of "conflict" as a great way to learn more new stuff to expand my domain knowledge.

Why should we hire you? **Communication, fast learner, passion**

3 Things:

I can think of three things:

The first one is communication. I had helped dozens of clients in over ten different industries to turn their ideas into an actual product. I am also the lead software engineer at laioffer. Every project I led was delivered on time with excellent quality.

And secondly, I am a fast learner. Since I am the leader of my team, I need to constantly learn new technologies, so I might be able to give the right direction or solution to my teammates whenever they face new difficulties.

The last one is passion, I enjoy the pieces of code I wrote that are actually making people's lives better. JobSeeker/Hunger at Home

Have you ever had problems with a supervisor or a coworker? Describe the situation for me.

**Leaderboard**

Describe some times when you were not very satisfied with your own performance. What did you do about it? **Improve/Summarize experiences**

S: working on a team project, T: I should finish all the APIs within a week but my performance was so low, I have to use my weekend to finish them before the deadline. A: I asked my teammate and my boss where I can improve on the work I was doing and anything that I can learn from them. R: I can think about how to finish my work in a different aspects to improve my work performance.

Give me an example of a problem you faced on the job, and tell me how you solved it.

**LeaderBoard**

S: My manager asked me to finish an entire leaderboard feature from design to production all by me alone within 3 days. T: The task was including confirm product and UI design with designer and front end engineer, design over 20 APIs and DB design from sctech, design caching layer in Redis, and so on. A: After break down all the tasks I need to do in order to finish the feature in a piece of paper. I bring this paper to my manager and asked him to either give me at least 3 days or send at least one more person from the team to help me with this feature. R: Finally, I finished the entire feature with an intern in my team within 3 days.

Give me an example of an important goal you had to set and tell me about your progress in reaching that goal. What steps did you take?

**21 units and 2 part-time, Time Management**

S: 21 units and 2 part-time jobs T: time management, A: plan everything 2 weeks ahead, R: I finished my degree with honor and got a return offer from both internships.

What was your role in your department's most recent success? **LeaderBoard**

What do you consider to be your greatest strengths and weaknesses? **Time management**

I like to organize and plan out everything before I get to work. I always try to get the complete picture before I start getting to work, and that's helped me work more efficiently and cleanly. But the downside of this is I sometimes spend too much time trying to plan out without actually getting to work on it, some projects are better to plan as you go because you might not know what the difficulties are that you might face, so it may result in me wasting time planning in the wrong direction.

What have you learned from your mistakes? **Well Communication**

I have a website outsourcing project which required me to finish 8 HTML and CSS static website page within 2 weeks. I can finishing it in within a week for a working code level but my client wanted me to finish it with FLAG coding style and with a FLAG level deploy system. I spent at least double my original work time to learn and made everything meet my client's expectation. As a result, my client happy with my work and I learned that well communication before drive deep into work is more important than working itself.

What was the best decision you ever made?

Learn and pursue computer science!!!

Describe a time when you were faced with problems or stresses at work. What did you do?

**Time management**

I like to plan out my schedule as I work, so when faced with problems or stress I try to work everything into my schedule and just follow the schedule. I find it a lot less stressful to do everything according to the schedule because I always know what I should be doing at any given moment.

How do you deal with competition? Are you a competitive person?

bullshittttt

What would you consider an ideal work environment?

bullshittttt

What are your long-range career objectives, and what steps have you taken toward obtaining them?

bullshittttt

How well do you work with people? Do you prefer working alone or in teams?

bullshittttt

Describe a situation when working with a team produced more successful results than if you had completed the project on your own.

bullshittttt

Describe a situation where you found yourself dealing with someone who didn't like you. What did you do?

Tell me about a time when you had to use your presentation skills to influence someone's opinion.

bullshittttt

Can you tell me about an important written document you were required to complete?

bullshittttt

What motivates you to go the extra mile on a project or job?

bullshittttt

What do you really want to do in life? What do you see yourself doing five years from now?

What does it mean to be successful? According to your definition, how successful have you been so far?

What is the best thing that ever happened to you?

What is the most creative thing you have ever done?

bullshittttt

You don't have the right kind of experience.

You may be overqualified or too experienced for the position.

What are your expectations regarding promotions and salary increases?

How much \$\$\$ do you expect if we offer this position to you?

What work you can make better?

Tell me a project you failed?

你需要说，你失败了，但是我从失败中学到了很多，然后用到了你新的工作中，然后又成功了最自豪的和可以做的更好的project?

**I was working on a machine learning project with IBM Watson team. This system was trying to predict the successful rate for training a normal puppy to a guide dog for blind people. My job was doing large set data preparation and data normalization using hadoop, Python and Java. It was difficult to find out why a normal puppy can or can not pass the final exam to become a guide dog among over 200 different factors. However based on my research I narrow down the key factors from 200 to 20 and the successful rate increased from 37% to over 60%. Finally, the system saved around 2M per year for an organization who is using it.**

最想跟其他人学习什么等等?

有没有比较难相处的同事? 如何对付他们?

和同事conflict, 和老板conflict, project失败之类

历时2个多月的刷题和无数拒信后，楼主终于转专业上岸了，写一些关于BQ的经验回报地里吧。关于我认为是BQ问题的潜台词，我给您翻译翻译，这些BQ到底在问什么？现在BQ越来越重要了，我碰到两次面试，有一轮就是只问BQ，连续40分钟BQ快问快答，人都要疯掉了，说得口干舌燥。这里写一些常见的BQ吧，基本属于必考感觉。

介绍一个你最喜欢的项目？介绍下简历？介绍下自己？

翻译：有没有看职位要求？说说职位要求要找什么人？你是这样的人么？介绍一个你最符合这个职位要求的项目，最后强调你是good fit

你最大的缺点/失败？

翻译：你一个无伤大雅的小缺点/失败是什么？你从以前的哪个项目知道自己有这个缺点/失败？知道以后学到了什么教训？在后面哪个项目中吸取了这个教训，做了什么，取得了什么结果？

你最大的优点？

翻译：我知道你很牛，你哪个特质最符合这个职位的要求，并且在最后强调你的某某优点让你是一个good fit for this position

为什么选我们公司？

翻译：公司的mission是什么？我的career goal和你们公司的mission完美契合；职位的要求是什么？我的背景和能力在这个职位的要求完美契合。最后强调你是good fit

怎么知道这个职位的？

翻译：如实回答就行，我一般都说career fair和公司的工程师聊了聊，关键是最后要再重复一遍，据我了解，这个职位是干啥或者需要啥，我以前也在做这个或者有相关的技能，所以good fit

队友/同事不干活/很难相处咋办？

翻译：你有没有经常和队友/同事主动沟通？你愿不愿意为了团队，帮队友/同事分担一些工作？能不能以非常职业的方式解决这个问题？

队友/同事不同意你的观点咋办？

翻译：你有没有自己花一些时间做一个数字化（quantitative）的比较？有没有向队友/同事提交一个详细的报告或者比较（report/strong case）来说服ta？会不会有效的沟通？

你怎么定义成功？

翻译：一般我都说达到自己制定的目标就算成功，这样容易说；那就可以理解为你有没有为自己制定目标？你的目标是啥？你现在完成的怎么样？未来在这个公司想怎么发展自己？（develop tech stack, gain more domain knowledge, see myself in position of senior engineer in xx years）

被安排了一个很难的任务咋办？



翻译：你会不会和你的老板沟通？你会不会和你的同事沟通？你会不会提出合理的要求？能不能以非常职业的方式解决这个问题？

任务的due被提前了咋办？有没有身背数个deadline的经历？

以下内容需要积分高于 20 您已经可以浏览

翻译：你是怎么管理你的时间的？比如日历上设置好项目，还有提醒；你会不会根据工作的优先级安排你的时间？你会不会为了项目组的整体利益考虑（best interest of my team），舍弃一些个人利益？比如为了毕设，自己的考试就不投入太多时间；会不会和别人沟通寻找解决方案？如果你是组长，你知道due提前了会不会采取措施？比如立刻开会，重新安排这个项目后面的任务和时间节点。

为什么你是xx专业，却想做sde/ds/mle？

翻译：你之前哪段项目/实习经历做了有关sde/ds/mle的啥？你产生了啥影响，取得了啥结果？你是不是很享受你的产出？（是，所以我想转）

祝大家秋招顺利！

## PWC

Do you learn from your experiences and take the time to develop your personal approach to work?

Do you lead others to be the best they can be, whether you're part of a team or leading one?

Do you act with integrity and uphold professional standards at all times?

How do you keep up-to-date with business and industry trends?

Do you consider all facts and think broadly about data when making recommendations?

Do you see opportunities within changing business environments which can add value?

Can you adhere to quality standards and practices?

Can you engage productively in a digital world?

Can you continually develop your technical depth and breadth?

Can you demonstrate global and cultural curiosity?

Can you work effectively in different environments?

Can you leverage the power of the PwC network?

Do you communicate with confidence?

Do you build and maintain strong and authentic relationships, within your professional network and develop new ones outside of it?

Are you passionate about providing exceptional services?