# ASAP软件工程师

1. - Please introduce yourself briefly.
   1. Good morning. Mr. Funk and Ms. Pichol(The name of hr + business leader) My name is Jianwei and I am applying for the position of software engineer in ASAP. Currently, I work in Xpeng Automobile company as an embedded software engineer, which is very famous for its autonomous driving and intelligent entertainment in Chinese electric vehicle market. After working there for two years, I realize I will have more driving force and make full use of my skill sets if I can go to your company, a top automotive driving software supplier, because I can work with numerous brilliant developers and improve my programming capability productively. I graduated from ISEP in Paris in 2020 and majored in embedded system. After graduation, I first found a job in Huawei in the same city as a device test engineer responsible for admission testing of mobile phones and some hardware devices, such as router, smart watch, etc.
      1. coding experience
      2. teamwork
      3. familiar with European culture
      4. testing-multiple developers + project + legal department
         1. technology oriented
            1. better career path
   2. I THINK my programming work in Xpeng and Huawei has strongly strengthened my coding experience, and it empowers me to work cross department efficiently. I have rich experience in communicating with the project members, the developers as well as the legal compliance team. Additionally, I excel at C++ AND Python for developing functions. Also my study experience in Paris makes me easy adapt to the European culture and realize needs flexibly.
   3. That's basically all about me. Thank you for your patience. Thank you for your lis

3 words to describe yourself

Efficient team worker

flexible fast learner

Collaborative problem solver

自我介绍还可以加入

1.强烈动机

I actually want to dive into the automatia, driving more not just the tea box thing that i'm doing right now because I think, even though I I know i'm qualified for that, but.Um, it didn't give me much interest.And it feels that what I have learned.Has not has not been made use in that.

2.有过什么成就

在前面自我介绍带一句 如果问到了 就展开

1. - What are your strengths?
   1. My strengths as a software engineer include strong problem-solving skills, attention to detail and an ability to work well in teams. I have experience working with various programming languages, like C, C++, python and have a solid understanding of software development concepts.（能叠加具体解决问题会更好） Additionally, I am committed to staying up-to-date with the latest technologies in the field and continuously improving my skills. What's more, I am a very diligent fast learner, and I can study new trends, new technologies as well as new tools basedon my.Enthusiasm in this industry (老师加的) Let me give you an example. 这个例子包含python c开发 以及CI/CD 然后可能涉及到，就是说一些比较复杂的一些开发概念的一个理解，就这个概念可能是你之前工作没有接触过的，甚至可能你学习的时候也没有接触过。对吧，然后你怎么去自主的去了解说，哎，这个概念具体它是为了实现什么样的功能？它具体开发是为了实现一个什么样的需求 然后完了之后，这个其实就你再去了解它的过程中就呈现出啊，你就发现它其实是一个最近比较新的一个前沿的一个技术，对吧？然后我们需要争先去把它实现，然后你再说你具体是怎么用这样的一个，呃，编程语言去实现的。然后里面可能甚至说有一些就是说，呃，你要合作的这一块，然后你怎么去跟大家有机的去协作，你在做这个事情的时候，你发现说，诶哪一些点是，比如说你可能一开始做的是某一个part，那你可能跟这个同事合作之后。哎，你发现说你自己对这一块有了新的进展 你可能work more （Developing a function. But then, you know, there is a battle technology with your understanding, when you search further with this concept.Right? Then you can directly report to your key member and then you can say, oh, let's see how I can do this, or how to assign the workloads again.）
   2. Specific example: develop - CICD

开发音频驱动 Multiple cars.And it can be used in many cars and and compatibility is good

So I think I have known the, like, how, how will a project be conducted

因为很多时候一个。就是一个一个一个驱动，它产生之后，它可能不是说能适配那么多车型的，它可能需要不停的调试的。但是如果说你们做出来之后，它其实它的适用性非常广啊，很朴实，而且同时它的这样的一个报错率。其实。相对较低的，你去调整它的一个呃，频率是比较低的，那它就是你的一个achievement。

我是全全全线路的全程参与了这么一个embodied development of the tea box。

So I think I have known the, like, how, how will a project be conducted

CI/CD 那我觉得这一块的话其实还可以去呈现的是你的一个。就是因为这点我看好像没有提到。就对于一些嗯新的事物，一些可能不是你目前工作中常用的一些工具，你怎么会基于？之后的工作需求来快速的掌握并且运用。

那你需要有有这个能力去understand it very quickly and launch this need as soon as possible you know。

就这里，我还是很很建议，就是加一个。这个。That can show.All those capabilities within a one little example

海外学习的一个背景，对吧？这海外学习背景可能相比一个呃，纯，呃，就是完全没有海外背景的一个人来说的话，你会更容易去适应他们的一个环境。会更好的了解他们的文化

specific经历是可以复用的 后面华为那个经历也可以放在这里 讲一个项目 拿它里面的highlight来说 不是说从头到尾 准备比较能体现你能力核心的一小段经历就可以了 突出你的角色 到底你是怎么解决问题的

或者说就像你说的，其实我本身学的一直都是嵌入，对不对？我都学的是嵌入，我研究生学的是嵌入，然后本科学是微电子，然后呃，我在这个就是华为的时候也做的，主要是测试这个。块儿，然后可能不是很偏向技术，然后突然我一上来就要做一个tbox这个呃，开发就是要求比较高的，对吧？所以这块儿的技术其实我之前是没有说，就我有这个底层的一些呃，编程能力，但是对于这样的一个新的需求，我之前是没有接触过的。那这个就是一个挑战，但是你被分到了一个这样的任务，那你就要体现出来。ok我到底是怎么去解决问题的，对不对？然后我这怎么怎么去解决问题，就是我一开始接到这样的一个任务，我需要去去去开发这个T box的时候，我，我得先去了解说它具体分为哪几个。部分我我需要去做哪几几个部分，怎么才能用代码去实现 然后就会展现出来你的一个快速学习的能力，因为你会展现出来，就是即使你之前并不是很熟悉这个领域，也没有太多的工作经验，但是并不妨碍你在进行一个快速学习之后，很快的上手了相应的工作任务 就你可以说在经过你做完之后，哎，具体有哪些人负责，你就在其中负责什么，然后最后你做出来，做出来之后就是，嗯，它本身它本身是能够很好的去适用在这些呃，芯片里的，对吧？集成在这些芯片里 普适性的适用在多种车型里面对吧？这就是你的contribution对不对？然后说完这个contribution之后，然后你你你你可以在浅代一下说就是what have you learned from it对吧。然后你可能说啊，这其实这个不同的这样的一些工作中，我其实意识到就是我对这种技术型的一些能力的提升是非常享受的 然后但是在现在目前的一个工作中，在小鹏，我觉得我的这个技术能力的提升可能不如我想象的那么快速，因为可能他需要做的这个工作，在技术方面，他的比重并不是特别高。对吧。那我就就了解到有这么一个呃，好的工作机会在asap它主要还是就是在软件这一块的一个呃。技术上的一个开发。然后为为。不同的一些呃供应商，呃，客户去提供他们的一些功能的需求实现，其实这会是你更想要去做到的，而且是更符合你当时的一个呃学习的一个工作期待的（这样就是也可以很好的去进一步的去回答说为什么我们想转这一块对吧？）然后然后完了之后你你你再来说就是嗯，在在这样的一个过程中，你其实发现嗯，你特别感兴趣的，还是在用编，就是用这个编程去实现，就用这个技术去开发的这样一个过程 然后你觉得就是目前的一个工作，你了解到之后的一个工作安排的话，你这一块的一个比重是偏小的 而且可能没有办法，就是去更多的去锻炼到你的技术这一块 就是比如说呃软件这一块其实比较少 所以你会更希望就是通过这一次，你会更希望找到一些工作是能够比较多的。focus on developing software。I learn from this experience。I feel more p\*\*ionate about developing software.Um, even though I have learned a lot from xbon, but I realize that my future work will focus more on.The hardware and the driver? Which, um.Which I would prefer to.To work more on the software however I I prefer to work more on the software so I。That's why I start to actively seek for opportunities in software development, and your company becomes a very good choice for me, as I see that you are supplier for different software functions development.And you focus a lot on the.Programming.so I I would be happy to join especially you are located in german nd I had the experience。Um, studying and working in paris, and I have been to german for several times. And i, I truly like the environment, and you guys work in style.

1. Tell me about your career plan.
   1. My career plan is to develop my skills as a software engineer and continue to learn and grow in the field. In the short term, I hope to gain experience in different projects and technologies, while contributing to the success of the company that I work for. In the long term, I would like to take on more challenging responsibilities（比较泛） and potentially move into a leadership role where I can guide and mentor others. Ultimately, I want to make a meaningful impact in the industry and make a positive contribution to society through my work

因为其实你发现了你自己可能在这个过程中最让你觉得充满激情，而且最感兴趣的还是呃，真正用编程去实现功能的这一块，而且最好是侧重在软件这一块，因为更能够体现你的一个creativity。以及你的一个capability，因为hardware其实你能做的这些东西比较有限，而且它不是说呃。靠，你就可以实现的对吧，它需要很多。这样的一些协同。就是我的意思就是说，你自己通过这一次的一个工作，你就能很清楚的意识到就是。Where does your interest lie? You know.就你的兴趣到底在哪儿？就是你可以在这儿后面，就是在这个补充的时候就可以说你去，其实意识到你最感兴趣的那个部分，就应该是对应说你现在要工作这个部分，知道吧。然后但是你又了解到你之后的一个工作计划仍然是比较多的，去注重在硬件和驱动这一块儿的开发，对吧？那可能没有办法充分的利用你自己的一个软件开发的一个优势，而你其实又还是在未来的规划上是倾向于做做一个senior software develop对吧？所以说你会觉得就是目前的这个工作是没有办法满足你这个需求，而且与你这个需求是渐行渐远的。你现在说就是说啊，我想要去呃进一步的去。提升我作为一个软工的一个技能对吧，然后继续去呃，在这个领域进一步的去成长，然后短期来说的话，希望就是获取不同项目和技术的一些经验，然后。为公司做一定的贡献，长期来说的话去尝就是尝试啊有。有就是参与到更多具备挑战性的一些职能里面，然后你可能想做一个小的一个，比如说一个project一个leader对吧？建议就是你这个职业规划按一般软工的一个晋升路径来看，知道吧。就比如说你现在可能你是一个journey software engineer对吧，那可能你可以说就是大概，哎，在三到五年我希望转为senior对吧？然后慢慢的你可能会就是不仅仅是领导，你可以说I take more management responsibilities对吧，可能会有一些管理上的一些职能，而不是说一直都做一个技术骨干。在你是一个就是junior，然后慢慢你要转为senior，对吧，然后你说这里肯定是一个tech lead对吧，然后慢慢的你肯定要讲的是你可能要做这个director对吧 就是就是这个chief technology officer对吧，就像ceo一样，就是这一块，你慢慢是就是在非常长期的时候，你需要往这方面去发展的。

为什么要来德国

Currently, I believe that there will be better opportunities for development in Germany. In this type of technical field, the more experienced you are, the more respected you become. The development path in software engineering may be slower in China, and there is a relatively high risk of stagnation in middle to later stages of one's career. During my studies in France, when I visited Germany, I was impressed by the overall living atmosphere and work ethic. Additionally, colleagues have told me that working in Germany is very enjoyable and provides a good balance between work and life. Furthermore, the country has high-quality social welfare programs and medical care, which are easily accessible to the public.

Most importantly, I believe that working in Germany will be most beneficial to my career development at this time. Currently, my work in China tends to focus on hardware and driver development, and I haven't found many opportunities to showcase my abilities. However, I have some friends who are familiar with this company and have noticed that they are working on projects that align with my interests and skills. Moreover, I have a desire to settle down in Germany due to its high overall quality of life. Therefore, I believe that long-term employment in Germany will help me grow both personally and professionally.

首先就像你说的，呃，就像我们之前提到的，之前在法国的时候就有比较，就是对，就就去过德国的时候，其实是对德国整体的一个生活的氛围，以及他们的工作态度。是非常喜欢的。然后其次的话，你就是觉得就是它的一个工作的氛围是比较利于你个人去成长的，因为其实在国内的一个大环境下，你，你目前来就是它会，就是我们会有这样的一个所谓的。就是35岁优化嘛 就是你可以简单戴一嘴，就是说你可能会觉得你未来的一个职业发展在德国会有更更好的一个发展，因为嗯，就是这这一类的这种技术工种，其实越到后期它是越受尊重的 就是你为什么要去德国的话，可以从自己的一些personal的一个点来找，对吧？就是比如说之前我在法国学习，我去德国旅游过的时候，我其实还是很喜欢德国的，对吧？然后另外的话就是呃，同事也跟我说过，其实在德国整体的一个工作。分为是。非常的愉快，而且就是有很很强的一个，这个平衡的，就是大家只要这个事情做完了，就可以有自己的一些生活，对吧，这个都是德国人不必会谈的呀，懂吧！然后完了之后你再来去说，就是你你自己觉得就是你的这个职业路径上，在目前德国会有更多的一些机遇，因为目前呃，就是在中国的话，你个人觉得你的能力可能呃，暂时没有办法得到特别突出的一些表现。就目前来说，呃，软工这一块就是可能它的发展路径是较慢的，而且可能在就是中后期的话会有比较大的一个停摆的一个威胁，对吧？就你可以把这个现实的原因跟他说，然后就是。比较下来，它肯定是有比较的优势，同时可能你自己对它的一个了解，又让你觉得你未来是有这样的一个长期居住的意愿，那不如就早一点先过去这样子，因为等到你35岁再过去跟你现在过去肯定不太一样。因为这个motivation的一个题目确实是很重要的，为什么你要去德国对吧？就是强调一下你对他们自己的这样的一个。工作氛围以及他们的这个。做事态度是非常认可的，很严谨 然后其次他整个国家的话，他的社会福利呀，他的工就就就是他的生活质量是很好的。因为他们福利高对吧？然后医疗保健啊，这些公共服务都是非常高水平的，而且是很便民的。然后第三就是最重要的，其实就是你认为目前去德国对你的职业发展是最有利的，我觉得这一点是最重要的。因为你自己能感受到，就是目前你在中国的话就是你的工作还是偏硬件和驱动为多，然后呃也没有找到说特别能够凸显你工作能力的一些机会，然后德国的话有熟悉的朋友，同时。自自己之前也就是了解过这个公司，然后目前看到它。做的这样的一些工作也非常对口，未来也很有，就是在德国定居的一些意愿，因为它的整体的呃生活质量很高。所以说，如果能够就是去到德国长期的工作，你认为对你的个人成长以及你的职业。提升都是非常有帮助的。

1. - What's your most impressive experience in huawei? What's your role, and the most difficult challenge you have encountered?
   1. My most impressive experience at Huawei was testing A pair of sunglasses with an embedded bone conduction earphone. As a test engineer,my role involved collecting and analyzing data, detecting problems, and providing technical solutions. The most difficult challenge that I encountered during this time was when I had to address some complex issues related to device compatibility and integration. I needed to work collaboratively with different teams, communicate effectively, and prioritize tasks to ensure the project remained on track. Ultimately, we were able to overcome these challenges and deliver a successful product
2. - Could you illustrate the Tbox project in Xpeng Automobile Technology?
   1. The Tbox is a core technology at Xpeng Automobile Technology that serves as a crucial component connecting our vehicles to the internet. Through the Tbox, vehicle owners can access functions such as remote control, vehicle management, intelligent entertainment, and ecall. The ecall feature automatically alerts emergency services in the event of a collision or other incident, transmitting critical data such as the vehicle's location and status to help responders provide aid quickly and effectively. The Tbox also collects data from the vehicle to help optimize customer experience and inform future product design. At Xpeng, the Tbox is a significant project, and we work tirelessly to enhance its performance and security to provide customers with the best possible service and user experience
3. - Why did you switch from the test engineer to the software engineer, which one do you prefer?
   1. After working as a test engineer at Huawei and being responsible for admission testing, I found myself drawn to the software development side of things. When I joined Xpeng, I saw an opportunity to further enhance my skills in software development and specialize in Tbox technology, which is an innovative and exciting area of development. While I appreciated the valuable experience I gained as a test engineer, I realized that my passion lies in software development and creating new technologies. So for me, becoming a software engineer at Xpeng was a natural next step in my career. Both roles have their unique challenges and opportunities, but I find myself more fulfilled as a software engineer where I can work on designing and implementing new features and products.