**EMBEDDED INTERVIEW**

**Họ và tên: Đoàn Quốc Phú**

**HOMEWORK-INTRODUCE (12/7/2023)**

**I.General english interview question.**

**1.What are your weaknesses?**

My greatest weakness is that I am a very noisy person. When I communication with the others, sometimes I talk with different meanings that make a story wrong. So the others don’t understand what I am saying because I talk without thinking of a story. Beside, in teamwork. I always think that I am right without thinking and listening to people’s opinions.

**2.Do you have any questions about the position?**

Yes, I have some questions about (...the position). First of all, I want to know about how to work this position. Secondly, in the future, what the best goals in your company for the position when I work on here. Finally, what are the benefits in your company when I become a senior Embedded Software Developer In Automotive of this position?

**3.How do you organize important task?**

To organize important tasks, I first evaluate their priority based on urgency and importance. I then break down each task into smaller task, more manageable steps and create a timeline for completion. I use a variety of tools such as to-do lists and project management software to track my progress and deadlines. Regularly checking and updating with team members help ensure that we stay aligned on schedule.

**4. What's your ideal work environment?**

 I think an ideal work environment consists of two main elements. First, that fosters collaboration and teamwork, which involves in effective communication, active listening, and mutual respect for each other's opinions and contributions. As a result, the employees can leverage their strengths and skills. Second, a healthy work-life balance is crucial. Because it can increase productivity and motivation at work as individuals feel more refreshed and energized.

**II.Questions about experience and background.**

**1.What training do you have that qualifies you for this position?**

When I was a student at university. I have learned a lot about how to perfect teamwork, and improve my patience, communication, and attitude are very important when working in a group. So, those things are the minimum required when working in this position. Well, I admit knowledge is important too, but it is easy to improve, the happiness of everyone working with me is the best thing.

**2.Can you describe your relevant work experience?**

I learn and start working with microcontrollers such as STM32, ESP8266 with basic knowledge. For example, create a web server using HTML, CSS, JS, control temperature and humidity in IOT with ESP8266, automatic crash bin and time attendance system with STM32. My protocol has learned I2C, SPI, UART. And I learned a little about the news protocol CAN, LIN that has been popularly used in automotive.

**3.Describe your main responsibilities in your previous job?**

I have worked as a reception in home stay. That work makes me use the English language daily. I worked there in 7 a.m and work until 12 a.m everyday when I was a freshman in university. I check in software management how many people will check out in the morning.

**4. What part of your education do you value the most?**

Luckily, I found an extra course related to automotive embedded systems. From the course, I learned various knowledge of advanced C programming, autosar, and Automotive Communication Protocols. Those help me a lot in broadening my horizon and grabbing the opportunity to get a well-paid job.

**5. Do you have any management experience?**

Yes, I have had management experience as a leader in group assignments at university on multiple occasions. In these roles, I was responsible for coordinating tasks, delegating responsibilities, and ensuring that the team was working efficiently towards our goals. (These experiences have helped me develop strong leadership and communication skills, which I believe will be valuable in any management position.)

**6. What skills have you learned that prepared you for this role?**

I have developed a range of skills that have prepared me well for this role. Firstly, I have joined volunteer activities and participated the competitions at university. Therefore, I have soft skills such as communication, teamwork, self-learn, and critical thinking.

Additionally, I have a chance to work on the project for Embedded in Automotive by using skills in Embedded and C/C++ programming and knowledge of microcontrollers and communications protocol.

So, It helped me have analysis problems, and address them when I programming for microcontrollers. I also know to debug the error command and optimize the memory possible.

**III.In-dept questions**

**1.How have you turned a weakness into a strength?**

Firstly I am not good at communication, so I try to read self-help books and find books which improve my soft skills. Secondly, I will rethink what I say after a conversation and try to write it in the small notebook if something I say is wrong.

**2.What are your career goals for the next five years?**

In the next five years, I will become a senior in embedded systems, 800+ in TOEIC and achieve the level of N2 japanese language.

**3.What are your salary expectations?**

**>>** Well, first of all, I want a job that gives me more experience first. You can check me when I work here and give me a comfortable salary. When I have experience and become a junior, I want 1000$.

**4. What are your salary expectations?**

I’m looking for a competitive salary that reflects my qualifications and experience. Based on the requirements of the role as I understand them, I would expect a salary in the range of 12 million dong to 14 million dong. Of course, I’m open to discussing the details of the entire compensation package since salary is just one factor.

**5. What are your career goals for the next five years?**

In the next 5 years, my career goal is to gain the necessary skills and experience to become a successful manager. I am also committed to continuing my professional development through training and education opportunities.

**6. Are you willing to relocate for this position?**

Yes, I am willing to relocate for this position. I understand that sometimes job opportunities may require a change in location, and I am open to exploring new places and opportunities. I believe that my skills and experience would be valuable to this position.

**HOMEWORK-INTRODUCE (14/7/2023)**

**INTRODUCTION**

I am very glad to be here for this interview. Thank you for your time! I majored in Automotive Techniques at the University of Technology.

I have a genuine/strong/candid interest in Embedded Automotive, Electronic, and Mechatronics.

My skills include knowledge of C/C++ programming skills, Microcontrollers, lifecycle processes, teamwork skills, self–learn skills, critical thinking, negotiation skill, and good communication skill.

and Work experience in Autosar module design, and communications protocols: CAN, LIN..

**HOMEWORK - Major and Multiple Task (16/7/2023)**

**1. Why did you choose this major?**

At first, I chose automotive technique because I want to know the parts of the Automotive and how the car works. In addition, I see that There are a lot of people who choose this major.

But then, after a long period/a long time studying, I realized that I belonged to Embedded Software in Automotive (new major), which was more suitable for me. I want to know How the ECU on Automotive works, Autosar, protocol interface, and Microcontroller.

**2. Have you ever traveled across your country?**

I tried to travel as much as I could while I was a student. The most beautiful/best  place I've been to was Nha Trang City. I was able to see the incredible beauty and natural beach of Nha Trang beach and how friendly the people were .There are lots of fresh seafood dishes and I would like to try it. I am pretty impressed by the magnificent nature/ natural wonders in the city. It was an amazing experience/memorable / fun/ interesting  for me.

**\*  Practice\_Speaking:**

**1.When you’re balancing multiple projects, how do you keep yourself organized?**

>>Firstly, I make a to-do list every evening for tomorrow and then I choose the first task that must be completed immediately, sometimes I almost complete so I try to ask a friend or a former worker for help.Make sure I divide multiple tasks reasonably and try to finish relatively. In the task, I prohibited my own no smartphone for entertainment and turned on sleep mode. Normally, I will work until 50 minutes and relax for 10 minutes.

**4.Do you prefer working independently or on a team?**

>> I prefer working independently than on a team because I can focus on myself and I know what I want to do. Both of those have advantages and disadvantages. Working independently can make me think strongly and solve situations alone without any other help but it won't improve my soft and teamwork skills.

**5.What type of work environment do you prefer?**

>> My work environment wants to be comfortable and positive where I feel engaged, learned the most, and in control of my work. I want to work with people who are passionate, kind-person, and always complete their job.

**2.Do you prefer working independently or on a team?**

I prefer to work with my team. Because I can share ideas with my colleagues, I can find new things and develop the projects as best as I can. I want to

**3.What type of work environment do you prefer ?**

I prefer to work in a dynamic and friendly environment. This helps me develop my skills. In addition, I can find new challenges and have a chance to work with and learn from the people who are experts in Embedded. So, I really love and challenge myself.

**HOMEWORK 23/7/2023**

Note

Q:  Why did you choose our company

1. Bạn cần gì ở 1 công ty
2. Lí do bạn chọn công ty này giữa những công ty khác
3. Sau khi chọn cty thì bạn muốn đem lại gì cho công ty

list những thứ đã học thành kĩ năng thực tiễn

* research kĩ về công ty  
  homework  
  1. tương tự
* thông qua phuong tiện nào
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→ nên tôi ứng tuyển vào vị trí này

2.

3. Chọn 1 side và counter-arguments

**LESSON 4: Why did you choose your major?**

**1.1 Why did you choose your major?**

Examples some questions:

"Why do you want to work for us?"

"What attracted you to this company?"

"What are your expectations of working here?"

Answer:

At first, I chose the automotive technique because I want to know the parts of Automotive, and I see that there are a lot of people who choose this major because It will have a range of job opportunities.

But then, after a long period/a long time studying, I realized that I belonged to Embedded in Automotive (new major), which was more suitable for me. I want to know the Embedded system, programming language, ECU, Autosar, communication protocols, and Microcontroller.

**1.2 Why are you interested in this role?**

I have researched your company thoroughly, I chose this job because it’s a good opportunity to work with a great company that will be here for the long haul. First, Your company has a reputation as a great place to work. I want to be part of a team where my creativity and innovation are valued and serve the needs of the company.

I want to work with and learn from these experts and develop unique skills in my career field that will contribute to the company long-term.

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I have seen the job on our website career and I see the job description which fits in experience and skills for me.I have a strong interest in C/C++ programming language, Microcontroller and Embedded system, Automotive domain Knowledge, Code based on Autosar standards, protocol interface. Moreover, when I study at universities, I have attended  the activities and the science research at school level , so I have some skills such as: teamworks skill , communication skill, present skill and critical thinking, problem analysis. I see these skills for this position. In addition, I have a chance to work regarding the projects of  Embedded in Automotive such as: Simulation the signals of engines, using CAN protocol to diagonosis the faults.

I have researched your company thoroughly, I chose this job because it’s a good opportunity to work with a great company that will be here for the long haul. First, Your company has a reputation as a great place to work. I want to be part of a team where my creativity and innovation are valued and serve the needs of the company.

I want to work with and learn from these experts and develop unique skills in my career field that will contribute to the company long-term.

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**HOMEWORK 26/7/2023**

**1.What is your greatest strength?**

>> My greatest strength is a high sense of responsibility in teamwork, working with principles, and being on time. Besides, I am patient and have self-learn, effective communication with others.

In addition, During study at university, I have worked on projects which involve about Embedded, Autosar, programming language, and protocol interfaces.

I have challenges and come away with new knowledge about my work, my team and myself.

**2.What is your greatest weakness?**

>> My weakness is that I don’t make the plan what to do before start working. That is the reason why I become a person who works near deadlines, make difficult when working with team. However, I have realized that and I am now working on it.

My weakness is that I have less confidence and shyness when I stay present in a crowd.

Besides, I should have a clear direction on my work. Otherwise, I am less confident in doing my assignment.

.However, I have realized that and I am now working on it.

**3.How can you improve my weakness?**

>> I attend a training session on website online. After practicing this new method, I feel that my working day is more productive and I have a lot more free time than before. Everything is planned in advance.

I think I can improve my weakness day by day. I will practice the presentation of  the project in a crowd  . In addition, I try to make relationships with the people that help me be confident when I present.

**4.Tell me about a challenge or conflict you overcame at work.**

>> The challenge I overcame at work is that I work in a group at university, when I have a difficult problem, firstly I look for documents, forum online. If the problem is difficult, I will ask in the group to solve it together. If all member in team can't solve it, we will ask the teacher for the help.The presentation skills is a challenge for us too, we will try to practice speaking day by day for the deadline and we have been finished with good mark.

**5.What is your most impressive work achievement?**

>> My impressive work success when I was doing my graduation project, it was really difficult for me when I didn't know what I needed to do, so I didn't stop going to the lab to study and learn from people who have experienced. Thanks to that, I had a right direction, I knew what I had to do next, and I proud of myself when I completed the project well with A+ score.

During my studies at university, I have attended science research at school level. After a long time period for your challenge and trying then I obtained the third prize. I have had trouble finding the idea for the project and giving the best way to perform. Later, We will divide it into small steps and assign them to teammates.So, it’s  really difficult for me.

**6.Why do you want to work at this company?**

I want to work here because I am able to develop and find lots of opporturnities to grow  myself.In addition, I would like to improve my professional skills, soft skills, and work in a dynamic environment . I will have a chance to work with and learn from the people who are experts in Embedded Software.

**HOMEWORK 28/7**

**1.Shows off your skills and experience.**

I have my soft skills, teamwork, leadership skills and my patience when I study at university. My projects almost always use C/C++ languages for embedded systems. My graduation project is used too and I finished this project on my own with A+ score.

**2.Ability to fit in and work in a team (teamwork ability and adaptability)**

Well, in teamwork. We discuss together and divine multiple tasks and then we can choose what task I can do well. After that, we set the deadline and finish them as soon as possible.If some problem i can’t solve, i will try to help the others in the team, in the forum website about my project and find a solution.

**3.How to help the company do more**

**4.Expressing dedication and enthusiasm.**

**5.Why should we hire you?**

Because I have skills, knowledge and expertation, which is related to your company request. Besides as a beginner, I will learn and improve my knowledge as much as possible. I have my patience, my soft skills, my teamwork skills when I studied at university. So that If I have a chance to work here, I will be satisfied, long-term working and dedicate my expertations to the company

**Why should we hire you**

Because I majored in automotive engineering with completed an extra course related to automotive embedded software.  So I think I have a strong foundation in programming that is required for this position.

Additionally, My greatest strength is my ability to work well with others. I am a great listener and communicator, I always make an effort to create an environment where everyone feels valued and respected.  I look forward to bringing this skill to any team I work with

Moreover, I am a creative and responsible person. I always try my best to find effective ways or solutions to contribute my own unique skills and expertise.

Finally, I know I still have shortcomings But I believe that with my dedication and enthusiasm to work, I would be an integral part of your company.

**121. Describe a situation where you disagreed with a supervisor.**

During my time at university, I had a disagreement with a teacher regarding a research topic. The teacher had assigned a specific topic, but I wanted to pursue a different direction that I felt would be more relevant to my career goals. I scheduled a meeting with the teacher to discuss my concerns, and we had a productive conversation where I explained my perspective and the benefits of pursuing the alternative topic. The teacher listened to my arguments and eventually agreed to allow me to pursue the topic of my choice. This experience taught me the importance of advocating for oneself and the value of respectful dialogue in academic settings.

**122. Tell me about a time you had a conflict at work.**

I’m going to talk about the time that I had a conflict with my classmates at my university. It happened exactly 3 years ago when I was still a junior. I and two of my classmates together did the group assignments in the Calculation of Ignition System. We delegated the tasks for each. And 2 days before the deadline, we checked the assignments again before submitting them to the teacher. I and another student complete our tasks so far. But the left student didn’t finish his part. I approached the student calmly and asked if everything was alright and why the task was still pending. The student seemed defensive and made excuses about being too busy with other courses and personal commitments. Instead of escalating the situation further, I decided to take a diplomatic approach. After discussing it, we agreed to reassign some of the workload to balance the tasks among us. Finally, we got good marks and receive compliments from the teachers. In conclusion, I learned the significance of patience, empathy, and adaptability when working with others in academic settings.

**123. Tell me about a situation where you had to solve a difficult problem.**

**125. Do you feel you work well under pressure? If so, describe a time when you have done so…**

I remember when I was in college, I was actually being put into a group of four. And four of us, me and three other of my classmates working on a project. And we divided our responsibilities. And we had one month to work on this particular project. And I was doing my part and they were doing their part. And we had to get together just a few days before the presentation because we all had to make a presentation together as a group.

And I was sharing with them what I have done so far. And two of my classmates actually, didn't complete what they were supposed to do. I was a little bit disappointed, but knowing that we actually didn't have a lot of time.

So I had to, yes, burn some midnight oil and kind of work on their part and finish what they were supposed to be their responsibilities. But I did it.

And then I actually had to be the one that make the presentation, and at the end, I got a B+  for that particular project.

**131. Describe a time when your work was criticized**

That was the time I did the thesis for Automotive Convenience and Safety Systems and received complaints from my teacher. At that time, my task was to research the Parking Assist System on the car, we only had 1 month to complete it. The topic was so new to us, we hadn’t studied before. Additionally, we struggled with the outline of what we should include in, How we arranged each part. In the presentation, the teacher was so disappointed with our thesis, he said it was messed up and unclear. He gave us a bunch of advice for that thesis and luckily he gave us a chance to correct it because he felt we had actually spent time doing the research. Then we burnt the midnight oil to fix the structure of the research. Finally, we received a lot of compliments from the teacher. I felt so delighted because we got a good mark and learned a valuable lesson from our mistakes.

**132. How would you feel about reporting to a person younger than you?**

I am comfortable reporting to a younger supervisor, as long as they are qualified and capable of leading the team effectively. Age is just a number, and what matters most is the person's skills, experience, and leadership abilities. In fact, I believe that working with a younger supervisor can bring fresh perspectives, new ideas, and innovative approaches, which can benefit the team and the organization as a whole.