Application Questionnaire – Development Level 1

1. Please describe your experience on an ecommerce platform and the technologies associated with building an ecommerce platform.
   * 1. I have many experience in ecommerce. One of them was developing book ecommerce while I was in college. I took my first project in one of the most famous book company in Indonesia. At that time I was using Objective-C for iOS and Java for Android and PHP as the back-end code. I also implement single oAuth Token for security reason.
2. What are the key components required for an ecommerce platform and the key challenges for building an ecommerce platform?
   1. Experience and sense of as a customer can help us create good ecommerce platform, UX experience also matter if we want to make user convenient with our app. The most challenging one is idea and innovation to compete with another ecommerce, what is the difference that we could bring and also provide many features that make user prefer us to other. The other part is security to gain user trust and make them feel safe while using our ecommerce app.
3. Please describe your experience with and understanding of cloud based services and solutions.
   1. I have an experience in cloud services in my current company when we create hotel information system and services. We need save lot of user data in cloud and also integrate it real time with the app.We also provide IoT solution which is need cloud service as receiver for data command from app. Cloud service provide more secure safe maintainable and scalable solution for enterprises.
4. What benefits does cloud platform provide and how it will benefit a business critical application which requires a zero downtime and faster response time?
   * 1. Of course security is the biggest benefit that cloud can provide and also the real time update base on which cloud we use. If we are using the fastest one, it make user will likely using our app because it can make user got faster response when requesting something from app.We need to compete with other ecommerce and need guarantee the fastest and safest compare with the other ecommerce and we don't want to lose single customer. One customer can lead to other customer preferences as well in business flow.
5. Describe your experience with CI / CD and source control tools?
   1. I have little experience with Jenkins as CI to enable unit test in Jenkin while building our app before deploy it automatically to store. For source control I have used git for around 1 year and already convenient with it and prefer using terminal instead of GUI.
6. What is agile methodologies? Share your views and experience on it and how it can benefit  in a development cycle.
   1. AGILE is project management method inside the company which is divide group in independent focused software development group and each group will break down the task into several parts of task. SCRUM is one of the method for agile and base on my experience it helps me to understand each task clearer and more organized within the team. It helps rapid development cycle while we want to solve or give solution to our client
7. How do you keep up-to-date with the latest developer trends and new technologies?
   1. I learn by myself in my freetime, do tutorial, self learning, watch youtube and also share with others and join some workshop, I also read developer ebook while I was in MRT or waiting in somewhere.
8. How do you participate in a team and what are the processes and methodologies you use in your job to successfully deliver a project?
   1. I work as a member of a team but also help each other if they stuck on something and I could give them advice to solve the problem. Of course Scrum method help me to do the job quickly because we divide it into sprint.
9. What is the process/tools needed to improve software quality? How would you setup a culture that values software quality?

We need implement unit test as soon as possible if the company can. Because with unit test implementation it could prevent any new bug that may occur in future. Also with unit test set up into CI tools can help people not just ask PR but really help us to see the quality of the code is following the rules. Beside, CD also a good automation tools that we need to implement. Another thing is how do we enable linting for each of our code. I would setup a culture with good soft quality with step by step, so we can grow together from beginning.

1. You are in a design review, and see a major flaw in the design. Has this ever happened? How do you bring it up? What happens if the presenter refuses to listen to your points? How do you make sure that the right system is built?

Yes. I will tell them step by step, give them a reasonable reason and an example with a proof. I will do research and data to support my evidence of the flaws. If they refuse I will ask him to discuss together for better solution that could satisfy both of us. For sure I need evidence and support from other people opinion as well if the system is the right one

1. The production system is running on top of MongoDB and it is having issues that seem to be within the DB itself. How do you advise the team? How do you manage those issues and the impact to the new development work? How do you communicate this to non-technical people?

I will advise them check the DB usage, which one that we can cut the process or reduce the process. If the problem is the MongoDB wasn't support what we need, I will verify if there is another solution without changing current one (buy new server and implement other DB framework). If it is exceed the storage we have and we need it asap, I will suggest them to expand the storage capacity. I will communicate to non technical in human logical thinking way. No more memory need expand and scale our storage and need to buy new db server and implement another way in the new server without affecting current one.

1. What attracts you to this opportunity and what makes you the ideal candidate?

Astro is one of the biggest media company in ASEAN, and I would be proud if I could become part of Astro. If Astro has given a chance to proof myself by take the test means Astro believe in my abilities and have trust on me. I also want to work for a long time with a company that can provide me lot of room to grow. I believe I have ability to strengthen Astro in many aspects e.g. hard work and commitment. I like to work with team and together we build a great product to deliver to user. It such a proud for developer if the product has been used by many people. I have strong sense in technologies and also good soft skills not only technical skills, this help me to learn faster and create great environment within the team.