**INTERNSHIP**

**FINAL REPORT**

**Name:** Vantheav Thav (2021 WEB A)

**Tutor:** Sereyratha Chann

**Supervisor:** Keomorakort Man

**Mail:**

**Phone:** 012 996 809

**Internship performed at POSCAR Digital Co., LTD.**



**Date: from** January 10 2022 **to** May 6 2022

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**Acknowledgment**

The first, I would like to say thank to **Passerelles Numeriques Cambodia**, PNC offers two-year scholarships to students to pursue information technology skills. During two years of PNC, Students have a lot of knowledge related to​ IT skill. Education team or social affairs at PNC, they always take care all of students like second parents. When we have problem like sickness, fail on exam or something else, education team always have individual meeting and they try to help us to get a batter thing.

Second, I would like to thank to **POSCAR Digital Co., LTD.** for giving me a four-month internship. During four-month internship, POSCAR let me know about how the company’s work environment and to make communicate with employees. The most important during my four-month is about knowledge, effuse we have learnt at PNC but it just learns like student. Many languages that I know at the company like Jquery and clear about vue companents.

Finally, **Passerlles numeriques Cambodia** is a second house for me and PNC is the first step to make me know more about IT skill and can find a good job for the future.And **POSCAR Digital Co., LTD.** is the first step and the first company which I internship for four-month and I know how to work with the real things.

1. **COMPANY PROFILE** [11 points]

## company DESCRIPTION [3,5 points]

|  |  |
| --- | --- |
| Company name | POSCAR Digital Co., LTD. |
| CEO’s name | Sipha Sum |
| CEO’s nationality | Khmer |
| Founding date | 26 October 2020 |
| Number of employees | 27 |
| Website | https://poscardigital.com/ |
| Address | (OCIC) #C7, 6rd & 7th Floor, St. Vithei Vimean Ahar, Sangkat Chroy Changvar, Khan Chrouy Changvar, Phnom Penh, Kingdom of Cambodia |
| Contact (Tel, Email) | Tel: +855 17 222 456/ +855 70 22 898  Email: contact@poscardigital.com |

## Company business / Activity sector [6 points]

|  |  |
| --- | --- |
| Company’s vision | Digitalize education system in Cambodia |
| Company’s mission | Connecting school in one click |
| Main business industry/activity | N/A |
| Products (goods and/or servers) | N/A |
| Main competitors | N/A |
| Describe the profile of main customers and beneficiaries  (*age, sex, geographic situation, social level, work activity, socioeconomic category…)* | N/A |

1. **COMPANY OVERVIEW** [9 points]
2. 1. **DESCRIBE THE OrganizationAL chart OF COMPANY** [5 points]

(Join your document in appendix)

|  |
| --- |
| Describe the department or area in which you are working, its functions, its responsibilities. Explain how it interacts with the other departments of the company. |
| Four months of my internship, I was working with IT team at the **POSCAR Digital Co., LTD.** that have located on 6th and 7th floor of the 3E building, on 7th floor is the room of IT team and also have a team for support when we have problem or other company or other floor have problem. |

## Introduction of your supervisor [4 points]

|  |  |
| --- | --- |
| • Name and title | Keomorakort Man |
| • Educational background | ………………………… |
| • Working background | ………………………… |
| • Responsibilities | Project manager, software engineer |
| * Daily tasks | ………………………… |

1. **IT ENVIRONMENT** [3,5 POINTS]

Describe the technical environment you are working with:

**WEP major**:

|  |  |
| --- | --- |
| Number of IT people in company | N/A |
| Number of computers in company | N/A |
| Number of servers | N/A |
| Number of printers, scanners | N/A |
| Other devices | N/A |
| What are the operating system used for user’s computer? Version? License? | N/A |
| What are the operating system for servers? (Linux, Windows, etc.) Version? License? | N/A |
| What are applications installed in users’ computer? Version? License? | N/A |
| What are programing languages/frameworks used for Web Front-End in the company? | JavaScript, Vue js, Bootstrap, React, |
| What are programing languages/frameworks/platform used for Web Back-End in the company? | PHP, Laravel, Node js, Java |
| What are CMS tools used in the company? | N/A |
| What are mobile development tools used in the company? | N/A |
| What are project management and bug tracking tools in the company? | N/A |
| Others | N/A |

1. **DESCRIPTION OF TASKS DURING INTERNSHIP** [30 POINTS]

**4.1 Training arrival** [1 point]

|  |
| --- |
| Description of the orientation and/or the training that you received when you began the internship |
| First day I came, POSCAR’s staff Mr. Seng prepared dashtop for me and another staff they took a photo of my face for scan to check attendant. |

## activity/project [9 points]

|  |
| --- |
| Select at least three main activities or projects on which you have worked and describe them |
| Three main things:   * Install applications: before I started code, I need to install some application like: * Visual Studio Code: this tool use for coding. * Telegram: this tool I install for communication with all employees. * Microsoft office * Vue JS component: in this task my supervisor told me to do like: * Understanding concept of making component * Create internal custom component * Create external component * Publish component to node repository * Make document. * Create Vue lifecycle: this task my supervisor told me I need to understand Vue lifecycle and VueX: * Vuex is a state management pattern + library for Vue.js applications. It serves as a centralized store for all the components in an application, with rules ensuring that the state can only be mutated in a predictable fashion. * Vue lifecycle is process of known as the lifecycle of a Vue instance and they have some functions run inside them by default as they go through this process of creating and updating the DOM. It is inside them that Vue components are created and exist, these functions are called lifecycle hooks. |

## work experiences [10 points]

|  |
| --- |
| In more details, discuss at least **four** work experiences that you feel will contribute to your personal & professional development (2 IT related and 2 non-IT related) |
| **IT skill**   1. Vue JS: in my four months of my internship, I gained a lot of experience at the company but during I internship I work bas on Vue JS that it’s very useful for my future because I will apply for position web developer so vue is the one of the languages that more popular in the result look so beautiful. 2. PHP/Laravel: for this language I did not do it more but I know some new feature because one of who internship in this company told and teach me some of feature and many things that Laravel can do it like authentication authorization email verification …   **Non-IT skill**   1. Time management: When supervisor give the first task to me to do (Vue component) I did not complete on time and they ask me where is your time management. He said one month but I can’t complete it on time. It makes me remember it. Time management is more important in the company and it also important for the future. 2. Communication: during my internship communication help me a lot. When I got the stuck with code or have some problem, I ask supervisor or COO for help me to solve it and it faster than if I keep it in my mind. |

## DIFFICULTIES AND PROBLEM SOLVING [10 points]

|  |
| --- |
| Describe at least three difficulties you encountered and how you’ve tried to solve them? It can be related to hard skills or soft skills. |

|  |  |
| --- | --- |
| Problem 1 | Description: I cannot create external component in Vue JS  Cause: Not clear with task  Consequence: Can’t continue with another tasks |
| Action taken | First, I don’t understand what supervisor wants. I did not ask him any more I just keep my research again and again but I still cannot solve it. And then my supervisor asks me about my progress and he said why I don’t ask him. And he already knew that I did not clear with instruction and he try to explain me again that he wants me to do. He just told me “I want you to create reusable that can use many time”. When I understand so I can do it. |
| Problem 2 | Description: I can’t create vueX project.  Cause: I did not use it before. Consequence: Can’t continue with another tasks. |
| Action taken | When I get new task from my supervisor that he wants me to do and understand about VueX and Vue lifecycle. The first I just start to do it with nothing and not clear about requirement. I got stuck with some code than I asked for help from supervisor and he gave me some code examples of VueX and Vue lifecycle. |
| Problem 3 | Description: I didn’t know about Jquery.  Cause: I haven’t learnt Jquery. Consequence: Search with wrong key word. |
| Action taken | He told me “We will start with internal project but we use with jquery also, so you need to search about jquery”. He gave me some keywords to search and learn individual and create small project for practice. |

# OVERAL EVALUATION [4 POINTS]

|  |  |
| --- | --- |
| • Describe the skills learned at PNC that you applied and developed during your internship. Please give example | |
| **IT Skills**  Since I studied at PNC, I have learnt many languages of IT skill and it very useful for apply at the company and for the future also. And the IT skills that I applied at the company like JavaScript, Vue JS, PHP, Laravel, Html/CSS, Bootstrap, Databases, node JS all of these languages I already knew basic and I can create small project. But it makes me easier to do it and easy to understand new things or new features in the company when I internship.  **Soft skills**  The soft skills that applied at the company during I internship four months such as communication, problem solving, teamwork, friendship eyes contact, body language and time management. They are more and more important. All of my knowledge that I have learnt at Passerelles Numeriques Cambodia, they make me easy to learn and work at the company during I internship. And what can they help me? Many things like when I have some problem, I just use my problem solving to solve it and I tried to ask my myself “why it happen to me?”. If I cannot solve it by my own, I use communication to ask to project manager and my supervisor to give me some solution. |

|  |
| --- |
| • What new things did you learn from your internship and not from PNC? Describe and give examples below: |
| * **IT “Technical” skills**: what I learnt at Passerelles Numeriques Cambodia, I applied it for the job during I internship. But some of features some of languages that I never learnt and I never used it before I came this company like how to create external component Vue JS, how to public to node repository, reusable component, VueX, Vue lifecycle, some of features in Vuetify like loading reload and in PHP/Laravel such as reset password, send email, mix two functions create and update to one function. In POSCAR I have learnt many things that more important and useful. * **Soft skills**: at POSCAR Digital Co., LTD., they don’t strict time when we come to the company but they strict time to submit task be on time. And motivate all staffs in the company focus on their work. |

|  |
| --- |
| • Would you recommend to place next batch of student to do internship with this company? Please, explain: |
| I would recommend to the next generation of students at PNC, I think the students should be doing internships at this company because of the students that come to intern this company will learn more things and more knowledge soft skills and IT skills also. And POSCAR will give you more experiences about IT skills as I heard for developers and seniors, they told me in this company we won’t learn more during internship but after we pass in this company we will know more from supervisor and other developer. |
| • Do you have any suggestions or feedback to improve the internship program for next batch? Please explain: |
| I suggest to improve the next bathing internship program should be taking students to internship at the company, solution, bank, because most of their company’s bank and solution can learn a lot of experience, more challenges and standard worker. One more thing that must important for who internship, education team or social affairs should give the permission when students want to trip or have activities with the company. Why I suggest it because it makes students easy to connect with other staffs. |

|  |
| --- |
| • Do you have any recommendation or suggestion for your next generation to be success for their internship? Please describe: |
| For my recommendation or my suggestion for the next generation to be successful for their internship, students should prepare what they learn form PNC and take it to the company and show their strength​. Students should try to complete task be on time with the good result and try to connect people in the company. Especially when students have problem about their tasks, should be have question and answer with supervisor, project manager or other staff. |

# PERSONAL AND PROFESSIONAL REFLECTION [10 POINTS]



## Personal development [4 points]

|  |
| --- |
| • What personal qualities have you discovered or enhanced during the internship? |
| My personal qualities have you discovered or enhanced during the internship, I can do the internal component and external component Vue JS. I can create small project that similar the real project and it reusable. I feel very sure and I know how to search with right keyword and clearer with Vue JS and read the requirement again and again to make me clearly. Especially I have more confident to do something or to go somewhere. |

|  |
| --- |
| • How do you anticipate (imagine, think) these qualities will affect you in the future? |
| I think it depend on my ability, it can make me have a good feature and good setting gold. All the time of my internship, it can make me to do with the new things and can do what I never know or never learnt. So, we I meet the new I can do it and I know how to research with the right keywords and start to practice with small thing or small project. |

## professional development [6 points]

|  |
| --- |
| • At the beginning, what did you expect from this internship as a first professional experience? |
| At the beginning, what I expected from this internship as a first professional experience I think that I can be a full staff at this company. And I can learn more languages and improve my knowledge from other staff. Especially as a first professional experience I think, I can help back to PNC and all of my juniors. |

|  |
| --- |
| • After completing your internship, are you fully satisfied? Is it what you expected? Why? |
| After completing my internship, I real full satisfied. Of course, before I came to internship, I hoped I can get more knowledge, learn the new things or new languages IT skill and also non-IT skills. Exactly, during I internship many languages that I have learnt from the company and also learnt soft skill from people in the company. |

|  |
| --- |
| • After this internship and your schooling at PNC, what are the personal qualities and professional skills that you feel you will need to develop before entering the workforce? Describe how you plan to develop them. |
| After this internship and finished at PNC, I should improve my soft skills. Why? Because soft skills can help me more about my hart skills. Example when I have the problem like I stuck with some code or error. I can use my soft skills to as other developers or who that done with it. |

# CONCLUSION [6 points]

|  |
| --- |
| • Describe how your internship is helping your thinking about your future career? |
| During my four months of my internship, I have learnt a lot of knowledges of IT skills and soft skills in this company. In particular, make me know how to work with people in the real company and have big opportunities to apply other company relate to my experience at POSCAR. It let me know the environment of the real companies and I have more confidents to work, to learnt with new things or new languages, to easy connecting with new person. So, this internship makes me a lot of experiences and improve hard skill, soft skill for my future career. |

|  |
| --- |
| • What is your professional goal for your future first job? How can you reach your goal? |
| My professional goal in the future for the first job, I want to have a good job with the good salary that relate to my experience and my knowledges on IT skill soft skill. I can reach my goal by use my knowledges that I have learnt from PNC and also experience from my four months internship at POSCAR. |

|  |
| --- |
| • What is your professional goal for the next 5 years? How can you reach your goal in next five years? |
| My processional goal for the next five years is I want to open a small solution company that related to my experience. Exactly 5 years is very short time to open a small company but I will try it by my hands. |

|  |
| --- |
| • Do you plan to continue your study for bachelor degree? Why? |
| After I graduated from PNC, I will continue my studies at the university. Because of the bachelor's degree is very important to me for apply to other company and it is an opportunity to learn knowledge from another school. |

# Appendix

# Worklog

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Time** | **Work Activities** | **What did you learn?** | **Difficulties/Issues** | **Solutions** |
|  | 7:30 AM - 12:00 AM | - review code and website (grapes JS) | knew one more language about IT skill. | N/A | Get new webpage and code from supervisor |
| 1:00 PM - 5:30 PM | - review code and website (grapes JS) | knew one more language about IT skill. | N/A | Get new webpage and code from supervisor |
|  | 7:30 AM - 12:00 AM | - review code and website (grapes JS) | Knew some function process. | N/A | Search more from internet |
| 1:00 PM - 5:30 PM | - review code and website (grapes JS) | Knew some function process. | N/A | Search more from internet |
|  | 7:30 AM - 12:00 AM | - Started to create example project about Grapes js. | Understood how to start with new language. | New language that I never learnt. | Search more from internet |
| 1:00 PM - 5:30 PM | - Started to create example project about Grapes js. | Understood how to start with new language. | New language that I never learnt. | Search more from internet |
|  | 7:30 AM - 12:00 AM | - Create panel top in small project | I knew how config code and create small function. | Span more times to search about grapes js | Search more from internet |
| 1:00 PM - 5:30 PM | -Create panel right (layers, style and traits container) | I knew how config code and create small function. | Span more times to search about grapes js | Search more from internet |
|  | 7:30 AM - 12:00 AM | -Create blocks (block manager) | I create a similar project builder. | Span more times to search about grapes js | Search more from internet |
| 1:00 PM - 5:30 PM | -Create blocks (block manager) | I create a similar project builder. | Span more times to search about grapes js | Search more from internet |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | **Time** | **Work Activities** | **What did you learn?** | **Difficulties/Issues** | **Solutions** |
|  | 7:30 AM - 12:00 AM | -Create blocks (block manager) | I create a similar project builder. | Span more times to search about grapes js | Search more from internet |
| 1:00 PM - 5:30 PM | -Create blocks (block manager) | I create a similar project builder. | Span more times to search about grapes js | Search more from internet |
|  | 7:30 AM - 12:00 AM | -Create style container (style management)  -present with supervisor and COO. | I knew how to costume some style builder | N/A | search |
| 1:00 PM - 5:30 PM | -Create style container (style management). | I knew how to costume some style builder | N/A | search |
|  | 7:30 AM - 12:00 AM | -Add more style container (style management). | I can add style management to my small project. | Difficult to find property of style content. | Code example from GitHub |
| 1:00 PM - 5:30 PM | -Add more style container (style management). | I can add style management to my small project. | Difficult to find property of style content. | Code example from GitHub |
|  | 7:30 AM - 12:00 AM | -Researching about preview function. | N/A | N/A | search |
| 1:00 PM - 5:30 PM | -Researching about preview function. | N/A | N/A | search |
|  | 7:30 AM - 12:00 AM | -Permission for PNC Songkran | N/A | N/A |  |
| 1:00 PM - 5:30 PM | -Permission for PNC Songkran | N/A | N/A |  |

# Thank letter

Passerelles Numeriques Cambodia

Street 371 Phum Tropeang Chhuk (Borey Sorla),

Sangkat Tek ThlaKhan Sek Sok P.O. Box

Phnom Penh, Cambodia

Tel: +885 23.99.55.00

April 12, 2022

**POSCAR Digital Co., LTD.**

Mr. Man Keomorakort / Mr. Sok Pongsametrey

(OCIC) #C7, 6rd & 7th Floor, St. Vithei Vimean Ahar,

Sangkat Chroy Changvar,

Khan Chrouy Changvar, Phnom Penh,

Kingdom of Cambodia

Dear Mr. Man Keomorakort / Mr. Sok Pongsametrey/ IT Operation

I would like to thank Mr. Pongsametrey for giving me an internship four months. I am very exited to do an internship at POSCAR Digital in relation to the practice or application of my knowledge that I have learned from Passerelles Numeriques Cambodia (PNC). Make me knew how to bring myself to a lot of people in the real workplace and work experiences of work as well. During four months of my internship, I have learnt both soft skill and hard skill that were difference from what I have learnt from PNC.

Four months of my internship, it very importance for me and provided first experience as new knowledge also. Depend on our internship I can find the job at the other company and develop myself to be an expert WEB developer. One more Improve my knowledge both technical skill and soft skill also.

Sincerely,

VANTHEAV THAV