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PERSONAL STATEMENT

I have 1 and a half years of experience in web programming which ranges from building e-commerce sites, project management sites, marketplaces, task management systems and basic blog sites. During this time, I have contributed efficiently towards optimising workflow processes by helping onboarding new technology to the existing legacy systems or upgrading/updating existing legacy systems with additional features and improve the scalability of these applications.

In the work environment, I would constantly try to find the most efficient methods in getting my team to perform their daily routines and to also help my future self by building strong foundations whether it be improving the relationships amongst my colleagues or writing clean and scalable code to reduce the generation of potential technical debt.

SKILL SUMMARY

- Great analytical and problem-solving skills
- Excellent communication skills
- Excellent handling of composure while working under pressure
- Team player when working in groups
- Good eye for detail
- Able to speak in 3 languages – English(Native), Malay(Fluent in speaking & writing) & Mandarin(Basic for speech only)

Computer languages:
- PHP, Laravel
- Ruby, Ruby on Rails
- Javascript, Vue
- Python
- HTML, CSS & Slim
- Mysql & Postgresql
- Apache2 & Nginx
- Google Cloud Platform
- Appreciate and implements coding according to the RESTful guidelines as well as OOP
- Git(Github, Gitlab & Bitbucket) - Utilising staging and production branches with an understanding of the need of them to control the quality of the code being pushed to the production server
- Ubuntu & CentOS

WORK EXPERIENCE

Chief Technology Officer/Co-Founder at Beacon Systems Sdn Bhd, October 2017 - January 2019

http://www.beaconsbay.com

The following projects were done in parallel throughout my time in the company and lead by myself with a team of 5 of us in total.

1. Beacon Accounting Software

- Build and lead the development team in building an accounting software which included stock control and HR features.

- The system included features that allowed users to issue Invoices by mail or download them if they wish to store hard copy versions of them.

- The system was integrated with Malaysia's Tax system(SST) to enable users to easily generate tax reports for them to submit to Malaysia's Tax Department.

- The system could provide and auto-generate financial and accounting reports(Profit & Loss Statement, Balance Sheet, Trial Balance, General Ledger, etc…) for users.

- Connected the system with a payment gateway(AsiaPay) to enable customers to bill/pay one other through the platform with pdf documents which have links attached to the payment system.

- Built customizable invoice pdf documents to allow users to generate their own company's style invoice format.

- Set-up a multi-tenancy database infrastructure to improve the security of the data and performance of the database querying.

- Dwelled in building APIs to serve the purpose of utilising legacy codes to act as microservices in servers that contain older versions of PHP to communicate with updated servers.

- Implemented and helped maintained a Git workflow for the development team.

- Implemented Laravel Dusk to enable automated testing on the code to reduce the need for manual testing.

- Met up and managed clients to perform on-site demonstrations/training.

- On-boarded over 200 businesses.

Sunway ITSSC Department

2. Project management software
- Lead and managed to build a project management system to assist the client in managing their internal projects.

- The system assisted the client in keeping track of their employees KPIs as well as generated monthly reports for the client's employees to stay on schedule for their tasks.

- The system built contained dynamic checklists which the client could generate themselves.

3. Billing & Task management software
- Lead and managed to build a task management system with billing features integrated within for the client to manage their internal tasks while also helping manage their financial documents which are associated with their tasks.

- The system allows the client to produce dynamic financial documents(invoices, quotations & purchase orders) to allow the user to adjust the document output based on their own client's needs.

Palace of the Golden Horses - The Mines

4. E-Membership system
- Removed the need for the customers of the client to use physical cards and hard copy feedback forms by creating features for the admins to create/edit surveys while also being able to see the results of the surveys through bar charts.

- Implemented an E-membership system for the client to easier manage their customers.

Broadband Multimedia Sdn Bhd

5. Commission management system
- Implemented and helped maintained a Git workflow for the development team.

- Updated code to utilise codes from a different server using the Laravel Framework by connecting it through APIs.

- Build web scrapers to harvest commission data to cross-check and validate the integrity of the data sent by the commissioner.

Bravel

6. E-commerce marketplace
- Built an e-commerce website(http://bravel.zenomni.com) to assist the client in setting up a C to C marketplace.

- Marketplace allowed users to buy and sell products which are mainly sold by constant travellers.

Intern at Taylor's University, June 2014 - July 2014
http://university.taylors.edu.my/

Taylor's University is a private University in Malaysia that has a track record of providing excellent services to their students in the form of study options, extra-curricular activity, teaching techniques, ongoing and growing partnerships worldwide, solid relationships with industries, and modern facilities within the campus to help students cope with their studies.

This two-month internship has taught me on the importance of having SOPs (Standard Operating Procedures) for administrative tasks which may seem simple but requires a high level of professionalism as these tasks interfaces directly with both clients and potential clients. These tasks are listed below:

- Handling of phone calls
- Assisted in student registrations
- Managed student issues and queries
- Planning of events such as open days and orientation days for new intakes

<u>EDUCATION/CERTIFICATIONS</u>

Full Stack Web Development - July 2017 - October 2017.
Next Academy - Damansara, Malaysia

BEng (Hons) Mechanical Engineering with Management - September 2013 - June 2016.
University of Manchester - Manchester, United Kingdom

Tier 1 Graduate Entrepreneurship Visa - 2017.

University of Manchester/United Kingdom Immigration Department - United Kingdom

Digital Marketing - March 2018 - May 2018.

Digital Marketing Consulting - Damansara, Malaysia

SOCIAL ENTERPRISE EXPERIENCE

Global Brigades (Engineering), Tegucigalpa, Honduras, June 2016

https://www.globalbrigades.org/

I volunteered to be a part of this brigade to Tegucigalpa with the sole mission of improving the community's living standard.

Tegucigalpa is the capital of Honduras which contains numerous villages having a huge shortage of clean water. There are plenty of villages within this state that still relies on the traditional water pumping system to obtain their daily need of water. The villages also lack proper water treatment processes which have led to plenty of health problems.

I had the golden opportunity in putting some of my engineering knowledge that I have acquired from my degree into real-life applications:

- Data collection of water requirement through surveying the village (flow rate, pressure and volume)
- Design of pipe diameter and lengths
- Design of pipeline schematic
- Marking of pipeline schematic at the village

Kechara Soup Kitchen, December 2011

http://www.kechara.com/soup-kitchen/

Kechara Soup Kitchen is an NPO established in Malaysia with a mission to provide to the poor and homeless around Malaysia. Although the organisation

was established by a Buddhist Spiritual Guide, they believe in respecting others' beliefs and do not discriminate when providing to the needy. The organisation does not only limit themselves to providing food to the homeless but also assist them in finding jobs for them to be able to sustain themselves.

I have participated in more than 10 occasions on the following social activities:

- Packing and distribution of food to homeless
- Helping survey homeless on their daily activities and also suitable jobs for them

From these two social encounters, I have learned that helping these communities isn't all about funnelling money to them and hoping for the best. The actual action of showing these people that you actually do care about them by being there for them and actually doing work for them is what matters most. It truly is a great feeling when you actually perform the actual volunteering work yourself. The thankful smiles that are received from these communities are what truly make our efforts worthwhile.

PERSONAL INTERESTS

Coding
I consistently want to learn as much as possible in the world of technology as I am very intrigued by it's potential. I am currently in the midst of a Machine Learning course(https://www.coursera.org/learn/machine-learning) as I believe automation is the key to the future of all industries and am extremely fascinated in systems that are capable of making decisions on their own e.g. self-driving cars.

Futsal
To keep myself fit, I enjoy a weekly game of 5-a-side futsal with my friends. I usually prefer the goalkeeper position whenever I am to play casually or even competitively throughout the past five years.

3D Modeling (SolidWorks)

SolidWorks is an AutoCAD software which I have picked up throughout my degree. During seasonal holidays, I enjoy freelancing and performing 3D Modeling works for some extra side income. It also acts as good practice as I am required to do a lot of 3D Modeling work for my degree. A portfolio of my personal work is available upon request.

Drumming

When young, I was initially introduced to the music world by learning how to play the piano. I then felt like I didn't manage to feel any connection to music as compared to playing the drums which I then switched to. I realised I enjoy hearing music with a heavy base and began my love for drums. I am a certified grade 8 drummer.

E-Sports

During my downtime and when I am not working/studying, when I take breaks, I enjoy immersing myself in online strategy games which requires the combination of teamwork as well as planning and strategising. Eg. Dota 2, Artifact.

PERSONAL ACHIEVEMENTS

- One of the chosen final 8 companies in the 2018 Sunway Accelerator Program(Beacon Systems Sdn Bhd).
- Participated in the 15th International Competition for Science, Mathematics, Astronomy and Computer Science(QUANTA), held in Lucknow, India, 2010
- School team runner throughout 2010 and 2011
- School team swimmer throughout 2007-2009
- School team table tennis player throughout 2007-2011

OTHER DETAILS

- Alpha Participant in RISE Hong Kong 2018

- Licensed Malaysian Driver

<u>REFERENCES</u>

Name: Jonas Yong Lee Kuan

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