

PILIPPANGE NIPUN DUNUSINGHE DE SILVA

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Age: 24

Nationality: Sri Lankan

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OBJECTIVE

My aspiration is to gain entry and start a challenging career as a Software Developer that will allow me to expand my knowledge in IT field and contribute from the best of my ability for the good of the organization. Also, I enjoy taking up challenges which require good judgment, analytical skills, management skills and team work.

Education

School: Wesley College, 2008

GCE Ordinary Level

I have passed GCE O/L with 5 "A" passes, 2 "B" passes, a "C" pass and a "S" pass

GCE Advance Level

I got 4 B passes for all the subjects which I have studied for Advance level. They are Combined mathematics, Physics, Chemistry and General English.

University: University Of Colombo School Of Computing, BSc in computer science, 2013

Subjects

- 1st year
 - Introduction To Programming
 - Life Science I
 - Computer Systems
 - PC Application Laboratory
 - System Analysis and Design
 - Introduction to Probability and Statistics
 - Mathematics For Computing
 - Life Science II
 - Introduction to Data Structures and Algorithms
 - Software Engineering
 - Database Management Systems

- **2nd year**
 - Operating Systems
 - Rapid Application Development
 - Object Oriented System Development
 - Internet Programming
 - Analogue and Digital Electronics
 - Introduction to Programming Languages
 - System Programming
 - Numerical Computing
 - Advanced Data Structures and Algorithms
 - Statistical Inference for Computing
 - Analogue and Digital Electronics II
- **3rd year**
 - Data warehousing Data mining and Information Retrieval
 - Neural Computing
 - Professional Issues
 - Compilers and Automata Theory
 - Middleware Architecture
 - Human Computer Interaction
 - Cryptography Systems
 - Computer Systems Architecture
 - System Design for Internet
 - Group Project
 - Management
 - Literature Survey
 - Industry Placement
- **4th year**
 - Individual Project
 - High Performance Computing
 - Special Topic in Theoretical Computing
 - Research Methods
 - Wireless Ad-Hoc and Sensor Networks
 - Distributed Systems
 - Research Seminar
 - Advance Concepts of Software Design and Development

Projects

- **Project of Rapid Application Development Subject in 2nd year 1st semester**

This project was a web site for beauty salon and it's a group project with 5 members for each group. We apply agile methodologies to develop this web site. We use Joomla Content Management System (CMS) for increase our development speed with software component re-usability. Since Joomla CMS provides plugins this was an easy task. In addition to software re-using we implemented new plugins for Joomla CMS.

Technologies & Software Used:

- PHP

- HTML
- Java Script
- CSS
- Joomla CMS
- MySQL Server
- Apache Server

- **Mini Project of Internet Programming subject in 2nd year 1st semester**

This project was to create web base resource management software for staff of University of Colombo School of Computing. After login to this system with a user account he/she can view available resources like lecture rooms and labs. Then they can allocate resources to use for their purpose.

Technologies Used:

- PHP
- HTML
- CSS
- Java Script
- XML

- **Project of Group Project subject 3rd year 1st semester**

This was web based SaaS software for Sri Lankan small businesses to collaborate through it. This helps Sri Lankan small businesses to improve their productivity by better collaboration. Small businesses can register with our web based software to get the service. This system provide ability for companies to chat, file sharing, Notice boards, suggesting new ideas to existing tasks and do some aforementioned tasks using mobile clients among their co-workers.

Technologies & Software used:

- J2EE
- HTML
- CSS
- Android OS
- Java Script
- Open fire Server(XMPP server)
- Glass Fish Application Server
- MySQL Server

- **4th year Research Project (On Going)**

In this project a research is carried out to evaluate and find out the best hosting environment for UCSC Learning Management System under invariable hardware resources. A private cloud is hosted with OpenNebula cloud management software with KVM hypervisor on the existing computing hardware resources and same learning management system is hosted on same computing hardware without cloud management software and virtualization software in a separate instance. After hosting these two systems are compared and empirically studied to find out which hosting environment provides best performance. Therefore I am able to visualize how cloud computing environment work in real world system and difference between two hosting approach.

WORK EXPERIENCE

I completed internship program related to university degree as a hybrid mobile application developer for London School of Marketing – Lanka Pvt. Ltd. That is a private business school based in London, United Kingdom. The school use cutting edge technology for eLearning and mLearning. During the internship program I have gain experience in Domain Driven Design (DDD) with Object Oriented Programming. These apps are developed for the iPads and Android tablets using web technologies and they are wrapped by using phone gap to work as standalone app. All apps divided into components and they were developed by applying component base development approaches.

Technologies Used

- HTML5
- JavaScript(using DOJO library)
- CSS3

EXTRA-CURRICULAR ACTIVITIES

I have played for school basketball team at under 19 national schools basketball tournament. I also had membership for several school clubs and societies. Sinhala Literary Union, English Literary Union, United Nations Club are some of them.

INTERESTS

Application Development, Cloud Computing, Middleware technologies, Software Engineering, Web Services & Web Applications, Service Oriented Architecture, Software Security.

REFEREES

Dr.K.P. Hewagamage
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DECLARATION

I hereby certify that above information furnished by me is true and accurate for the best of My knowledge.

P.N.D. DE SILVA

Date: 15th of September 2013