Sony Huynh

Curriculum Vitae

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"A person who never made a mistake never tried anything new"

PERSONAL DETAILS

Full name: Huynh Pham Sony

Date of birth: July 20th, 1994.

EDUCATION BACKGROUND

Ho Chi Minh city University of Technology

2012–2017 **Computer Engineering**

The Honor Program at Faculty of Computer Science and Engineering.

GPA **8.21/10.**

SKILLS

Technical Skills

Languages C++/C, Verilog HDL, JavaScript, Visual Basic, TTCN3, LATEX.

Environment Linux(SUSE, Ubuntu) & Windows.

Advanced field Embedded system, Internet of Things, Networking, Telecommunications.

OpenSource experience OPENSAF, ASTERISK(*).

Personal Skills

Leadership ● ● ● ● ○

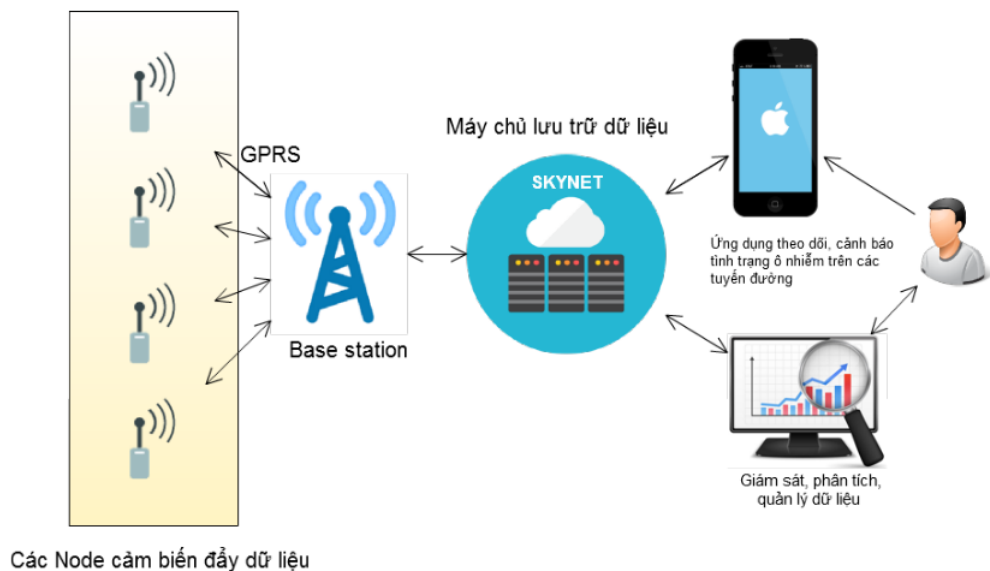Planning ● ● ● ● ○

Creativity ● ● ● ○ ○

English Good communication skills.

Have much experience in reading technical books, writing an email.

Join the Bible club in English.

WORKING EXPERIENCE

Ho Chi Minh city University of Technology

May 2014	Designed Single Cycle CPU with Hardware description languages On DE2 Board.
Dec 2014	"Smart Led Matrix" - Show the notification of smartphone on led devices.
Oct 2015	"Retro game" on DE2 Board and 89V51 KIT with C & Verilog HDL language.
Oct 2015	"Snack game" on 89V51 KIT with C language.
Nov 2015	"Car Racing" on DE2 Board with Verilog HDL language.
Feb 2016	"sJob Android Application" - Help students find out part-time jobs..
2015–2016	Joined scientific researches students with the topic **"Vietnamese Speech Recognition".**

Base on ISD9160 chipset, we had time to study and create new model for supporting to recognize Vietnamese speech.

We used Trello board to manage all the tasks during those times, and reported the state of tasks every single sprint (2 weeks)

2016-2017 Graduation Thesis - "Investigation and Implementation of a vehicle emissions monitoring system"

Các Node cảm biến đẩy dữ liệu

As the environment and traffic situations nowadays, the needs of information about those two are very important but limited the supplier. Therefore, we studied and made this project about the system of collecting environment elements as well as traffic data by sensor nodes. Thanks to the explosive development of Internet of Things and based on knowledge about the linking between quality of environment and elements.

We built the entirely new system which featuring a new sensor node that can operate without the main power grid and can resist the harsh weather conditions like extremely sunny or heavy raining. Moreover, we provided the friendly website and mobile app to user as well as useful APIs for third party developer.

DEK TECHNOLOGIES PTY. LTD

6-8/2016 Software Engineer Internship Summer 2016

The project is to deploy High Availability for persistent chat service by using **OPENSAF**.

We have done High Availability for Chat service and Chat application by using OPENSAF, C++, and Framework Qt.

Oct 2016 -
Sep 2017
Software Engineer in IMTAF (IMS Testing Automation Framework)

Experience in field with protocols: TCP/UDP, IP, SIP, SDP, DIAMETER, RTP, MEGACO/H.248.

Work using Agile Software Development with Hansoft and performing code reviews in Gerrit and ClearCase.

Experience with various IMS nodes: CSCF, HSS, SBG, MTAS and various Ericsson IMS features. Test automation in integration with Jenkins.

Automated network level testing of the new features after integration. It involves development of automated test suite for testing the new as well as legacy features. The scope is to automate the test cases and prepare a test suite.

Main activities: implement new change request and test cases in TTCN-3 language. Execute, perform regression test, analyze test reports and release the framework every single sprint.

9-11/2017 **Consultant Software Engineer at Ericsson AB**

I had an golden opportunity to work with my partners in Ericsson Office for 2 months in Stockholm, Sweden.

Nov 2017 -
Present
Software Engineer in IMS Network Feature Test

Developing of Automating System Test and Feature Test of Ericsson's Enterprise Communication solution on a system and network integration test level, using Java, Bash and TTCN3 languages. Continuous integration with Jenkins, deployment with Docker.
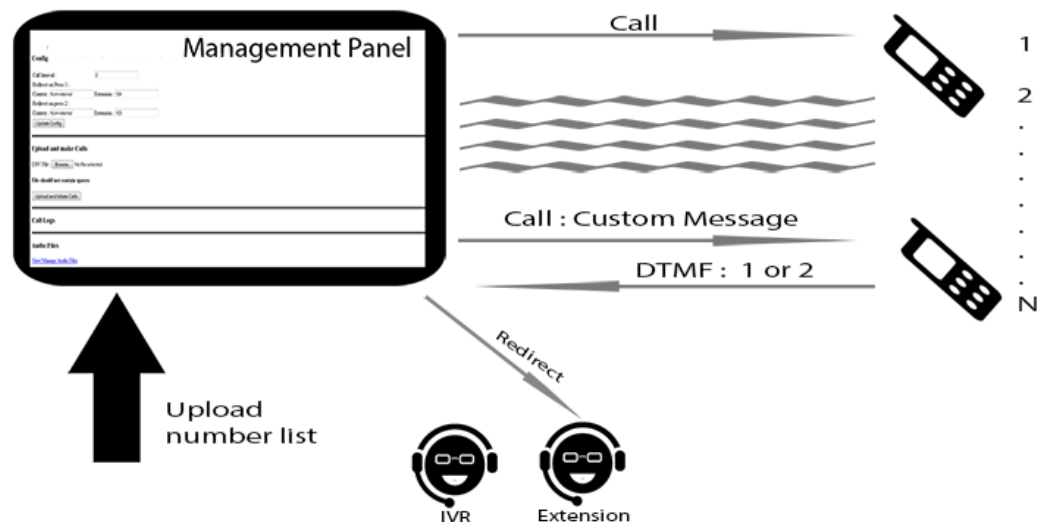
- IMS architecture and components

- IMS core nodes MTAS, CSCF, SBG, HSS, MGC, DNS, CUDB.

- Verification and Troubleshooting of IMS E2E functionalities

- INT test suites based on IMS Test Automation Framework developing and maintanance

- SIP, SDP, RTP, Diameter, DNS, TCP/IP, IP technologies

- Linux knowledge: file system and bash scripting

Working in an agile team using ScrumWorks, Open ALM and Git/Gerrit. Actively taking part in planning sprints and participating in retrospective meetings.

PERSONAL PROJECT

July 2017 - **Auto Dialer Service**
Present

Auto Dialer Service is an API application written in NodeJS for **Asterisk** to send voice broadcasts. It can generate multiple simultaneous calls to a list of numbers and play a custom audio message. Auto Dialer Service can receive DTMF input options and connect to any predefined destinations. We can find different occasions where Auto Dialer Service can solve problems with minimum effort like event management, customer relations, staff management and where ever people like to hear from you. Auto Dialer Service is simple in design and user interface so that anyone can install and start call blasting within few minutes via providered API.

Key Features:

- Supports multiple simultaneous calls to a list of numbers.

- Possibility of separate audio messages for each number.

- Configurable redirect destinations to any asterisk context and extension (external or internal number,ring groups,queue,ivr etc)..

- Dialing Screen displays call status and DTMF response via Web App.

- Detailed call log with call deposition and DTMF received.

- Uses regular outbound routing for broadcast,use any trunk or dialpattern.

EXPERIENCE & SOCIAL ACTIVITIES

2012–2015   Operating and organizing social events for high school.

2012–2013   Joined the voluntary activities of WINBK team in University.

2013–2014   Joined the "TIEP SUC MUA THI - BACH KHOA 2013" voluntary activities in the summer term.

2013–2014   Management and administration of the forum svdhbk.com.

2014   Technical Head of "RUNG CHUONG VANG 2014" academic program organized by my faculty .

2014–2016   Leader of Fellowship of evangelical students from my university.

2015–Present   Leader of Bach Khoa Toan Free ref to *bkfree.info*.

ACHIEVEMENT

Special Prize	**Global IT Startup Contest Vietnam 2015** from Handong Global University
	Team's product is "Smart Neck-pillow".
Hard work	**Hackathon Contest 2016** from ATWARE corporation
	Team's product is "AGILES".
Dec 2016	**Student Award** - **"Sinh vien 5 tot"** of Ho Chi Minh city
	Vietnam National Union of Students

Certificate

March 2016	IBM Bluemix Certificate - Apply Bluemix technology applications for IoT System.

REFERENCES

https://www.youtube.com/playlist?list=PL8jT36S3YC5x2csTofRDTdygF2-bZizm0

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INTERESTS

- Volleyball
- Music
- Running
- Designing
- Guitar
- Learning