To Hoang Dinh Long

PERSONAL INFORMATION

Full name: To Hoang Dinh Long
Date of Birth: 23/12/1988
Place of Birth: Ho Chi Minh City
Mobile Phone: +84(0)1225835858
Address: 100 Bui Huu Nghia Street, Ward 2, Binh Thanh District, HCMC
Email: tohoangdinhlong2312@gmail.com

- 3 years working as Embedded System Engineer, with deep understanding about design, develop and test in Embedded Software. Result in several handheld devices from Automotive Diagnostic Tools to Smartcard Reader, which currently in market for end users.
- 2 years working as Software Engineer, both design and test for CoreMW, part of Ericsson's CBA Project, which is developed on Linux Platform.
- Strengths include ability for self-learning and fast-learning.

Technical knowledge	Level
C	Good
C++	Good
Bash Scripting	Good
Objective C	Fair
FreeRTOS/Linux platforms	Fair
ARM Cortex M3	Good
Device driver competence	Good
Agile development	Good

Others: Qt, Autotools, GIT, GDB, Jenkins, SVN, Java , JCAT, Python…

Education

2006 - 2011: **Bachelor of Engineering: Electrical** – **Electronics Engineer** - Ho Chi Minh City University of Technology

Thesis:
• Wireless Sensor Network using Zigbee
• Communication between MCU and SmartPhone (Android, iOS) via Bluetooth
Thesis Score : 8.8

English: Upper –Intermediate
Japanese: 3-Kyu

Assignments

01/2014 – Now   **DEK Technologies**

Software Designer

- Software development for CoreMW, part of CBA (Component Based Architecture)
(CoreMW is based on OpenSAF and includes software management function. The whole project will provide common functionality as high availability, scalability, openness and independent component. So the applications can reuse these functions for their products that will reduce the time to develop.)

- Analysis and implement requirements from customer

- Maintain and resolve bugs

- Responsible for continuous integration and delivery.

- Design, implement features, Function tests, System tests and Join Integrate test, using C++, bash scripting, java, python, rpm, autotools… on Linux systems (Ubuntu, SLES, RHEL).

- Agile working.

03/2013 – 12/2013   **Molisys Solutions Co.**   *Branch of STYL Solutions – Singapore*

Embedded System Engineer

- Develop Company's first CEPAS Card Reader with LCD and KeyPad. Reader is used by CAPITASTAR in Singapore.

- Write Application Layer and Drivers for NXP's ARM Cortex M3 LPC1768, using FreeRTOS. Use emWIN GUI lib to develop User Interface.

- Intergate smartcard reader into Vending Machines (work for Singapore's NETs). Develop prototype using BeagleBone Black (ARM Cortex A8) running Angstrom Linux. Develop Application using Qt.

11/2010 – 05/2013   **Innova Electronics**

Embedded System Engineer

 - Design and develop Diagnostics Tool "Innova Pro"-line products – handheld device using ARM Cortex M3.
 Results: http://www.pro.innova.com/

 - Design and develop Diagnostics Tool for Chinese, Australia and Japanese market.

 - Design and develop Diagnostics Tool communicate with Smartphone (iOS and Android) via Bluetooth and new BLE (Bluetooth 4.0 Low Energy).

- Write iOS application (External Accessory, Core Location, Accelerometer, WebView …).

- Write driver (USB, UART, I2C, SPI ...) and application layer for ARM MCU cortex M3, including STM32, TI Luminary.

- Work with Automotive ECU.

- Work with Protocols used in the OBDII vehicle diagnostics standard (CAN, ISO, WPW, PWM, K2000, …)

- Design and develop USB communication between Tool and Smartphone.