

# Robert Smith

## *Jr. Embedded Engineer*

### **CONTACT DETAILS**

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### **SKILLS**

C/C++, Embedded C,  
Assembly Language And  
Matlab. Python.

### **LANGUAGES**

English (Native)  
French (Professional)  
Spanish (Professional)

### **INTERESTS**

Climbing  
Snowboarding  
Cooking  
Reading

### **REFERENCES**

Reference - 1 (Company Name)  
Reference - 2 (Company Name)

## **PERSONAL STATEMENT**

8 years of professional experience in Embedded Firmware, Application & Driver Development. Embedded Firmware development (C, C++, RTOS: Linux, QNX Neutrino, uC/OS-II and VxWorks) Hands-on experience in Device Driver and API library development. Expertise in System Analysis, Design and Development of various projects in multiple domains.

## **WORK EXPERIENCE**

### ***Jr. Embedded Engineer***

**ABC Corporation - September 2012 - September 2013**

#### *Responsibilities:*

- Developed embedded software and was also involved in porting for end clients seeking to implement Bluetooth in their product line (s) Implemented the change orders for the Bluetooth application according to the project requirements.
- Teamed with Systems Engineering group to keep in-sync software requirements and modeling updates/changes.
- Customized wireless protocol parameters to achieve faster wireless transmission data rates.
- Worked with an array of microprocessors including ARM processors, and Texas Instruments DSPs.
- Developed test software for GPIOs, PWM, ADC read & EEPROM read and write.
- Created, debugged, and peer-reviewed C based test scripting code.
- Documented specifications and test cases.

### ***Embedded Engineer***

**Delta Corporation - 2010 - 2012**

#### *Responsibilities:*

- Project Development of CI protocol stack.
- This project involved the development of DVB-Common Interface (DVB-CI) stack.
- This is based on the DVB Common Interface specification (EN 50221).
- Common Interface is the standardized Interface between Set-top box and Conditional Access module.
- Responsibilities Developed C code for physical/driver and Resource layer module.
- Porting of DVB-Common Interface (DVB-CI) physical layer.
- Implemented the concept of Boot-loader in device, which makes the device bootable through SD card.

## **Education**

Bachelor of Technology in Electronics and Communication Engineering - ()