**CURRICULUM VITAE**

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**SUMMARY OF EXPERIENCE:**

Having more than 8+ years programming and RTOS experience.

Have Lead teams on the **Home and Auto Infotainment**, **Network Media Players**, DLNA,

Mobile Multimedia and Security based application.

Developed Applications for S60 Platform, C++.

Design and Development on **JukeBlox SDK**, and ThreadX/Linux Based Digital Media

Players.

DLNA and Airplay certifications for Network Media player devices.

Feature development on Internet radio stations like LastFM, Pandora

**ACADEMIC QUALIFICATION:**

**Degree:**

Bachelor of Engineering in Electrical & Electronics.

Bangalore University.

Passed out with a First Class in August-2001.

**SOFTWARE EXPERTISE:**

Languages : Java, C++ and C

Mobile OS : Android, Symbian

Enviornment : ThreadX and Windows

RTOS : ThreadX, Symbian OS, Windows Device drivers

Hardware : Renesas SH 7724, Broadcom 5890, Omap2430

Tools Used : JTag, LauterBatch, ATS tool**, Canalyser, BitBake,**

Debug Tools : DLT

Configuration Tools : Perforce, ClearCase, SVN

Specialization : C++

Product Certifications : **Airplay & DLNA**

Networking : TCP/IP, UDP

Multimedia Framework : GStreamer, SDL

Project Management : Agile, Agile Scrumworks

Frameworks : QT,QML , HMI,

**Professional Experience**

**Organization Duration Designation**

KPIT Technologies Nov 2013- Till Date Consultant

Global Edge Software

Services limited

March 2011 – Aug 2012 Technical Lead

Nokia India Pvt Ltd,

Bangalore

Oct 2007 – March 2011 Sr. Software Engineer

Wipro Technologies,

Bangalore

July 2005 – Oct 2007 Software Engineer

Sharp Software July 2004 – July 2005 Software Engineer

Development of India

**Professional Key Accomplishments**

● Media Recorder is implemented on **N8.**

● Have been involved in setting up the ONB at the Lab Set-up.

● Award “**Achieving Together**” for the Project executed in Nokia.

● Award for the “**BCM Security Middleware**” project at Wipro technologies.

**PROJECT PROFILE:**

**Kpit Technologies**

1. **Automotive Infotainment**

Client : Continental

Development Site : Pune

Hardware Platform : Freescale Target

Operating System : QNX

Configuration Tool : SVN

Programming Language : QML, C++

Team Size : 5

IDE : QT Creator

Reporting to : Technical Architect

Tools : Canalyser

**Description :**

Project deals with the development of HMI and

Business logic layers on automotive domain using QT Service framework and DBus

Technologies for Connectivity module. In the Connectivity module I have worked on Phone

Application on Battery, Voice Recording, SPY features.

● Requirements Analysis

● Design and development

● Design review.

**BridgeCo**

2. **Firmware Update through USB**

Client : D&M

Development Site : Bangalore

Hardware Platform : Target Platform,Denon AVR

Operating System : Embedded Linux/ThreadX

SDK : Juke Blox

Configuration Tool : SVN

Programming Language : C++

Team Size : 6

IDE : Visual Studio

Reporting to : Project Lead

**Description :**

The Project deals with Firmware update of Audio

Video Receivers (AVR) through USB. In the absence of the Internet connection, USB is used

for the firmware update. USB contains the Encrypted firmware. Audio Video Receivers

authenticates with the Product credentials before proceeding with the Firmware Update.

● Design and Development.

● Code Review.

● DLNA and Certification

● Paravent Library

● Airplay/DLNA certification testing

**Nokia India Pvt Ltd**

**1 Media Recorder**

Client : Nokia

Development Site : Bangalore

Hardware Platform : N8

Operating System : QT, Symbian OS

Configuration Tool : Synergy

Programming Language : QT C++

Debugger : Trace32, LauterBatch, Musti

Team Size : 4

IDE : Carbide

Project Management : Agile

Reporting to : Product Owner

**Description :**

The project deals in developing QT API for the media

recorder functionality like Play, stop, forward and backward search of radio frequency

bands. The APIs developed were common for all the radio bands (FM, AM, SW, LW). The

framework also had API’s developed for searching forward and backward.

**Responsibilities:**

● QT interfaces API Plan, design, development for the radio tuner.

● Providing a QT framework for the S60 Radio API.

● Involved in the peer review of the team.

3. **Enterprise IT Security**

Client : Nokia

Development Site : Bangalore

Hardware Platform : H4, H6.

Operating System : Symbian OS

Configuration Tool : Perforce

Debugger : Trace32, LauterBatch

Team Size : 6

IDE : Carbide

Project Management : Agile

Reporting to : Product Owner

**Description :**

Enterprise IT policy deals with the integration of

various applications e.g.image capture with a disabled memory card, video recorder with a

corrupted memory card, disabling the messaging application and receiving a sms etc. The

project main features are to check an application performance in an issuable scenario. In

order to enable/disable some applications, memory card, various API’s have been

developed.

**Responsibilities:**

● Design, Develop, Code, Debugging (hardware debugging) of the architecture and

application.

● Development of Enable/Disable API’s of the sub-systems like Camera, Memory card.

● Involved in the peer review meetings.

● Worked as a Team mentor for the project.

4. **OpenMax Multimedia**

Client : Symbian

Development Site : Bangalore

Hardware Platform : H4, NaviEngine.

Operating System : Symbian OS

Configuration Tool : Perforce

Debugger : Trace32, LauterBatch

Team Size : 4

IDE : Carbide

Reporting to : Product Owner

**Description :**

This project involves the Porting of the Open Max API

to Symbian Multimedia component. Involved in the porting of Multimedia Audio and

metadata API’s.

**Responsibilities:**

● Porting of the Audio Playback and Recording API’s.

● Porting of the Metadata extraction and insertion API’s.

● Porting of Zip/Unzip API’s.

● Involved in the peer review meetings.

**Wipro Technologies**

1. **BCM Security Middleware**

Language : C++

Environment : Middleware

Client : Broadcom

Team Size : 5.

Duration : May 2007 – Oct 2007

Reporting to : Technical Lead

**Description :**

This is basically a Digital Security based application.

This project involves the development of the Library for the **BCM 5890 secure processor**

**on Windows Platform.** The BCM 5890 chip will be used in storing the credential vault

Information. The Information stored on the chip like the Win Logon Information, Passphrase

information, Fingerprint Information or the Smart card Information. Involves contact and

contact-less Information. The Project also involves the development of the Admin tool GUI.

Authentication of the different users to the chip can be set using the Admin tool. Different

kinds of Authentication like Passphrase, fingerprint or the smart card can be set on the chip.

**Responsibilities:**

● Involved in the design and development of the Admin tool

● Was involved in the design and the development of the Object Browser.

**2 Base Port on Omap2420, Omap2430**

Language : C++

Client : Texas Instruments (Bangalore)

Team Size : 6.

Duration : Sept 2005- April 2007

Reporting to : Client Technical Lead

**Description :**

This project mainly involves development of

the test cases for the Mobile drivers like Audio, Camera, MMC and I2C. Addition of the new

Test cases to the existing Test Suite. Bi-Weekly releases on Omap2420 and Omap2430.

**Responsibilities:**

● Involved in Enhancement of MMC driver.

● Enhancement of new Unit test cases for Audio, Camera, and I2C drivers

● Involved in the Regression test case Releases once in every quarter for **Omap2430**.

● Involved in formulating of the NAND Boot procedure for **Omap2430.**

**Sharp Software**

1. **Color Printer Device Drivers**

Language : C++

Environment : Windows OS.

Client : Sharp Labs of America(USA)

Team Size : 10.

Duration : July 2005.

Reporting to : Project Lead

**Description :**

This project mainly involves the developing of Color

Printer drivers by using on Windows OS**.** The Printer driver provides a UI which includes all the basic

features and advanced features like Poster and Centering. Provides performance and image quality

for Color PCLXL printing.

**Responsibilities:**

● Involved in the Implementation of Transparency feature for Watermark

● Involved in Bug-Fixing for the Color Printer Drivers.

● Involved in Re-factoring of Code.

● Involved in Unit Testing.

**PERSONAL DETAILS:**

Father's Name : Mr. Veerabhadrappa..C.M

Date of Birth : 09-05-1979.

Marital Status : Married.

Nationality : Indian.

Languages Known : English, Kannada & Hindi

Passport Number : F5247089