

PROFESSIONAL OBJECTIVE:

Seeking a long term role in a responsible and challenging position, where my leadership and technical expertise can be used for delivering quality software products and achieving maximum results from concepts to completion.

EXECUTIVE SUMMARY:

- **10+ years** of professional experience at different levels in **leading and developing software** in an **Industrial Automation , Mobile & Telecom, Multimedia & Infotenment** domain.
- Have a good exposure to develop software products in **winCE, Linux** platform for **Mobile** and **Set Top Box** devices.
- Good exposure to develop a software in **C & C++**, and good understanding of the **object-oriented** paradigm.
- Hands-on experience of **GUI / HMI development** for desktop, **Mobile & Embedded devices**.
- Working knowledge of **open source** technologies, **API hooking, reverse engineering, porting** and optimization of software's on ARM family.
- Have a basic understanding & practice in **Qt-5, PL/SQL, Shell Script, Java script (jQuery), CSS3, HTML5, JSON, fastCGI, REST** interfaces, component based programming using **ATL/COM/ActiveX** as well as **MFC & Win32** on Windows platform.
- Good experience of SDLC (agile methodology), documentation, project **configuration, reviews** and **integration** to handle software releases.
- Excellent **experience with development tools** including various IDE, Project management, documentation, configuration management, **code reviews, JTAG** debuggers, **bug tracking** and **source control** system.
- Worked as an **individual contributor** and also, provided technical **leadership** in key functional areas of the product/platform **to deliver quality** product.
- Have a skill to bring **strategic ability and thinking** to the group to reach technical goals.
- Have the ability to work on, prioritize and manage **multiple assignments** and projects while **ensuring the highest quality** of work.
- Result oriented, **self driven**, highly motivated, smart and keen to learn new technologies, methodologies, strategies and processes.

EMPLOYMENT HISTORY:**Total Experience:** 10.2 Years**Period:** September 2004 – March 2015

| From | To | Organization | Duration | Designation |
|-----------|------------|--|----------|--------------------------|
| Jan-2009 | March 2015 | Indieon Technologies Pvt. Ltd. www.indieontech.com | 6.2 Yr | Senior Software Engineer |
| Jan-2006 | Oct-2008 | Larsen & Tubro Infotech Ltd. www.lntinfotech.com | 2.8 Yr | Software Engineer |
| Sept-2004 | Jan-2006 | eGenietech Software Services www.egenietech.com | 1.4 Yr | Software Engineer |

WORK EXPERIENCE:

Indieon Technologies Pvt. Ltd.

Pune

Senior Software Engineer

Aug 2011 – March 2015

Software Design Engineer

Jan 2009 – Aug 2011

Indieon Technologies is an **embedded systems product** development company in **Multimedia and Information Technology domain** which develops complete STB product end to end and provides value added services as per customer requirements for **STB**.

I have been mainly involved in **middleware** as well as **application** team on various hardware platforms like NXP Libra, ST Liege, Broadcom etc. Wherein I have designed and developed various software modules for STB in middleware as well as HMI application and made valuable contribution to the value added service related software components using following technologies:

- **Linux Platform, C, QT/C++,** Shell script, HTML5, **jQuery, REST** interfaces and **fastCGI, JSON,** httpLite, multi threading, **DSMCC.**

Participated in following projects based on **Linux platform:**

- **Messaging Framework** for Advertisement.
- Development of MobiTech **Second Screening & Remote control** of STB using **REST** interfaces, **JSON** and **fastCGI.**
- **PushVOD** middle ware and **HMI** Development.
- **Advertisement** Solution for STB.
- Conax **CAS MMI** development.
- Value added Services like PVR, **VOIP,** Video Player, App Store including **YouTube, NDTV,** MailBox, **HLS** (Http Live Streaming).
- Dynamic Operator Branding Management on STB.
- **Font Engine** integration for Multi lingual support.
- Development of **Web based UI on STB** using HTML5, jQuery, **fastCGI on QT** based web browse.

Used following tools/utility/methods:

- **JTAG, ST-Microconnector,** Doxygen, **valgrind** memory analyser, **CAS**

and played vital role with various responsibility as mentioned below through out the projects:

- Key member of the design team, involved in over all design of the Generic Branding Engine Solution, Messaging framework.
- **Lead** and Responsible for design and development of Brand Engine Stack on Client side.
- Wrote specification for the Modules.
- Lead the development, conducted daily meetings for task monitoring and delegation among team members.
- Performed development activities like Code review, bug tracking and resolution, module testing as per specifications.
- Ported and tested various modules on various hardware platforms.
- Designed a strategic framework for **build system** using Kconfig, make utility & shell scripts to streamline build process for different product lines.
- Gave support to the operations team while deployment and demonstrations to various customers.
- Worked for a Conax **CAS certification.**
- Took responsibility for build configuration and **product releases.**
- Developed UI modules to trigger and present information using third party UI ToolKit Framework.

- Designed and developed a data **container protocol** to carry proprietary information over the network.
- Development using **FEC**.
- Design and developed Intermediate module for **Multilingual support** using third party **Font Engine**.
- **Lead and Responsible** for design and development of few modules like **YouTube, VOIP, MailBox**.
- Evaluated & Understood YouTube development framework and API
- Design and development of Advertisement Server as well as Operator Branding **Server application** using C++ & QT framework.

Larsen & Tubro Infotech Ltd.

Mumbai

Software Engineer

Jan 2006 – Oct 2008

At L&T Infotech I was a team member of RnD division of **Modile & Telecommunication** department. Here I **ported** a various open **source code on ARM** platform. Also understood a various A/V codecs and standards like MPEG-TS etc. In this organization I understood and followed **CMM-5 standard** for software development and quality assurance. Went through organization level various trainings like **V-Tune** Intel performance analysis tool, Oracle 8i DBMS etc.

Developed various software for Mobile devices on **Windows Mobile (WinCE) ARM platform** using following technologies:

- **VC++** using **MFC, Win32, C/C++, QT**

Participated in following projects:

- Development of **Data Share** on Windows Mobile
- Development of **IPTV** Video On Demand (Client)
- Development of **BMP Codec** Library
- Development of **AV Decoder** Library

and played vital role with various responsibility as maintained below.

- Design and Implementation of Core Structure for Data Share and IPTV project.
- Developed Buddy List & White board for Data Share project.
- Developed **DEMUX (MPEG2 TS Parser)** for extracting the MPEG stream from the Container and **AAC Audio Player** for IPTV.
- Implemented memory manager and Logger
- **Ported open source** of LIBFAD (AAC) for Windows Mobile 5.0 & 6.0
- Analyzed problems through traces, Ether-detect logs and effective pinpointing of erroneous code and resolving bugs. Handled solutions for MPEG-2 TS & PES, etc
- Understood the steps of **MPEG2 Encoder and Decoder code** along with implementation of the algorithms behind them from Open Source code.
- Understood the DVB standards for **MPEG2 TS Container** file format.
- Involved in **Configuration Leader** and **Change control Board Member**.
- Enabled Decoder code to run on **PxA27X (ARM)** Development Board.
- Developed application in **QT** and **cross compiled** to check on the board.

eGenietech Software Services

Mumbai

Software Engineer

Sept 2004 - Jan 2006

I joined this organization as a trainee engineer and held position of Software Engineer while leaving this organization. Participated in **implementation, module rectification, prepared test cases & executed the same, issue investigation and fixing** for various projects. As well as I involved as a team member to **interact with client at deploymnet location** for their product improvements, field trial and issue investigation.

Developed **ActiveX components** and stand alone software on **Windows x86 platform** using following technologies:

- **VC++** using MFC, ATL/COM, VB 6.0, MySql, Crystal Report, winCC scripts (**SCADA**)

Participated in following projects and played role as a team member to develop a software product:

- Participated into **Batch Manager** software project. Developed **In-proc DLL** Server to handle the batch process and **OPC connectivity**.
- In Win Energy Monitoring System (**Win EMS**) developed as an UI in Windows platform using **MFC** for various modules like EMC Explorer, RTA Server, ReportJob Server, and SLD.
- Participated into **Win MIS** software product development. It is a fast and easy way to implement Management Information Solution for process plants. Developed various moduls like **report configuration and generation, Real Time Trend** and Historical Trend Configuration, Product **Back-up and restore** module etc.
- Developed **RELENE 396R Driver** for decoding 396R protocol & **parse Telegrams** of SINAUT FWA of Siemens product. Parsed information store into a database and pass to the WinCC mimic screen through **OPC** to inform the corresponding meaning to user.

ACADEMIC PROFILE:

| Course | University | Institute | Duration | Marks |
|------------------------------|--------------------|---|-----------|--------|
| M.C.A. (Computer Science) | Shivaji University | Govt. College of Engineering Karad (MH) India | 2001-2004 | 59.86% |
| B.Sc. (Physics) | Pune University | New Arts Commerce & Science College Shevgaon (MH) India | 1998-2001 | 70.00% |
| Certification | | | | |
| N.C.S.T. (D-Level) 2003 | | Score of C-Programming: 72.40 | | |

PERSONAL DETAILS:

| | |
|-------------------------|----------------------|
| Name | Kanade Sachin Ramrao |
| Gender | Male |
| Nationality | Indian |
| Date Of Birth | 06 June 1980 |
| Current Location | Pune (MH) India |
| Passport Number | G2064534 |
| Passport Date Of Expiry | 03 March 2017 |

DECLARATION:

I hereby assure that the above details provided are true, correct and complete to the best of my knowledge.

Last Updated: 05 March 2015