Venkata Narayana Terli
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Highlights

- **9+ years** of experience with full **project lifecycle development** in C, C++, WIN32, Windows Internals, COM, Socket Programming, Multithreading.
- Proven ability in requirement analysis, design and development of software applications
- Expertise in developing **Fare collection in transportation domain,** scanner driver and Windows Applications
- Strong fundamentals in Data Structures and Scanner Architecture
- I have been working on NFC and contactless payments for current project.
- Ability to work cross-functional and cross-geographic teams
- Quick Learner, Highly motivated team player, have leadership qualities
- Onsite experience (**XEROX- USA, Xerox-France**)

Working as System development **senior specialist in Xerox services**

Work Experience

Xerox services : Jul 2012 - Till date
WIPRO : Dec 2011 - Jun 2012
Celstream : Jun'2005 - Nov 2011

Skills/ Expertise

Expertise	C, C++, C#,Windows Programming(SDK,WDK), COM
Languages (Basic Knowledge)	Core Java, JSP
Scripting Languages	Python, Java script
Development/Debugging Tools	VS2005/2008
Configuration/Workflow Management Tools	ClearCase, SVN, Perforce
Methodologies	AGILE,SDLC and Familiar with OOAD
Design Pattern	Observer ,Singleton, Factory
Operating System	DOS, Windows XP/VISTA/7.

ACHIEVEMENTS

- Received awards like Master Brain, Go Getter for Kodak scanner drivers
- Received category A rating consistently

Project Details

Jul'12 – Till Date

PROJECT: **SEPTA New payment Technologies (**Southeastern Pennsylvania Transportation Authority)

SMP(Smart Media Processor) application runs on Wince (6.0) device, responsibility of this application is , support contactless fare media (EMV and Non EMV contactless) and Magnetic Media for fare transportation payment, read the required data from the media and process this data to backend module for validation purpose, based on the backend response , SMP interact with Turnstiles hardware.

In case of backend is in offline, SMP is capable of handling offline transaction, upload those transaction to the FTP server.

Environment: Visual Studio 2008, C, C++, Win32,

Responsibility:

- Design and implement SMP (Smart Media Processor) application
- Integrate with Card reader module for contactless and NFC and Turnstiles hardware
- Interact with Media validator server and Global service manager
- Installer package for commissioning the application on the device.

Dec'11 – Jun'12

PROJECT: **Intel Audio Drivers (Automation)**

Intel ported Audio drivers for windows 8 which have new architecture for tablet pcs and mobile phones. In order to verify the audio driver components with daily builds from Microsoft as well as Intel boards, Intel audio team needs automation to verify all playback streams for different streams.

I have implemented audio application, In that app, I used WMP interfaces to verify the all the playback streams along with all WMP controls, I have designed XML based test cases, which has Playback stream info, directory info, playback actions.

Environment: C++, Win32,

Responsibility:

- Involved in complete life cycle of this automation
- Validate audio quality of various formats.

Dec'09 –Nov'11

PROJECT: **Kodak AIO(All in one) - WIA**

Kodak AIO is a MFP device and Celstream had been part of Development and supporting Printer and Scanner driver for Windows and Mac OS.

The project involves development of WIA driver as reference from WDK sample scanner driver, on top that implement vendor specific configuration and resampling the scanner images. Scanning can be done by WIFI and USB channels.

Environment: Visual Studio 2008**,** WDK, C++, Win32,

Responsibility:

- Involved in complete life cycle of this project
- Bug fixing and new features support.
- WHQL certification for Scanner driver.

Aug'09 –Nov'09

PROJECT: **Celstream MFP driver (Multifunctional driver)**

Main objective of this project is to identify the common core part of Driver code, designed such a way that, vendor specific features add in vendor object without touching core part of the driver code and can make the driver easily for any vendor.

In this architecture, mainly four components, Platform component, Business component, transport component and vendor components.

In platform component has core driver implementation, Business component could be able to communicate with core driver, transport and vendor components, core driver communicate with transport and vendor objects through business object. When we were developing this driver, we didn't have any device and assumption with File device. We simulated file device as Vendor component and we are able scan the image as like from the device

Environment: Visual Studio 2005**,** WDK, C++, Win32, SVN

Responsibility:

- Involved in complete life cycle of this project
- Bug Fixing and WHQL certification for scanner driver

Jan'09 –Jul'09

PROJECT: **Panasonic WIA Scanner Driver**

Panasonic WIA Scanner driver is a high-speed feeder scanner and it supports the scanning from any WIA compliant applications. It has rich set of Image controls like it can scan multiple pages, removing blank pages, selectable area scanning etc.

Panasonic provided image controls library, using this library we are able communicate with device by the USB, and we have developed customized WIA UI.

This WIA driver supports both XP and Vista

Environment: Visual Studio 2005**,** WDK, C++, Win32, SVN

Responsibility:

- Involved in complete life cycle of this project
- Bug Fixing and WHQL certification for scanner driver

Oct'05 –Dec'08

PROJECT Xerox Scan WIA and TWAIN Drivers

Xerox devices support storage types of scanner devices,
we were in maintain phase of Xerox WIA/TWAIN drivers. These drivers supports two types of communications based on device model, one of the service is beacon and other one is SMB protocol. Through Xerox Scan utility tool, we can create scan template which has color, DPI, destination path etc. publish template on device, now select the template from the device, it can scan to host PC.

Environment: C++, WDK, SDK, COM, WIN 32
Responsibility:

- Communicate to device through SMB protocol and receive the file from device
- Involved in Bug fixing, Enhancements and Change Request

Jun'05 –Sept'05

PROJECT: Defect Metrics Tool (Defect Effort Tracking Tool)

Xerox Using Clear quest mail support for defects lifecycle, It has open state of the defect, assigning the defect, resolving defect and verifying the defect. Defect Metrics tool basically track the resolve and verify effort.
Top Management can see the defects metrics, projects wise and date wise using defect metrics web tool. It gives complete details like total defects, reopened defects, localized defects and its summary.

Environment: .net WEB Services, VBA, C#

Responsibility:

- Responsible for develop the internal utility for Celstream defect tracking system.

ACADEMIC QUALIFICATIONS

- **MCA** from Sri Y.N.college Narsapuram (Andhra Pradesh, India) (2002-2005)

Personal Information

- Date Of Birth : 05-02-1982
- Languages Known : Telugu, English

I hereby declare that all the above information is correct to the best of my knowledge.

Venkata Narayana Terli