Ankit Shukla

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Summary

10 years of experience in embedded software development.

Worked in Avionics, Graphics and multimedia using C and C++.
Experience in OOPS using C/C++ with multi-threading, IPC mechanism.
Experience in Data structures using C/C++
Experience in Linux device driver and wince device driver.
Experience in Mobility domain (Ada/C++).

Technical Skills:

Core Technologies	C, C++ (03/11/14), Python, Data Structure, Sqlite3, IPC Mechanism, Synchronization mechanism
Operating Systems	RTOS (lynx os), Linux (Ubuntu), WinCE7, Windows7, QNX
Tools	Visual studio 2013, qde, Qt, Rhapsody, IBM clear quest, IBM synergy, Git, SVN, ObjectADA, GDB, Trace32 debugger.

Employment Summary:

Duration	**Employer**
March 2019 – Till date	Siemens Technology and services pvt. ltd, Pune
June 2015 – March 2019	Tata Elxsi ltd, Pune
August 2014- June 2015	Infosys ltd, Hyderabad
August 2011- August 2014	Rockwell Collins India, pvt. Ltd, Hyderabad

Certifications:

P.G Diploma in System software from Center for Development of Advanced Computing (**CDAC, Pune**).

Project Summary:

Project #	**1**
Project Name	RBC (Radio block center)
Team Size	6
Period (Duration)	2.5 years
Client	Siemens Spain
Work Location	Pune, India
Language	Ada, C++
Operating System	Windows7
Tools and compiler	ObjectAda, g++
Project Description	RBC module communicates with the Train system and once the connection is established, it provides the movement authority to ensure the safety.
Responsibilities	• Worked on bug fixing activity. • Worked on Unit testing for developed module. • Performed static code analysis. • Lead the team of 5 and resolved their technical issues. • Released the billing for every month.

Project #	**2**
Project Name	GM Instrument cluster
Team Size	6
Period (Duration)	2 months
Client	Visteon Sofia
Work Location	Pune, India
Language	C, C++
Operating System	QNX, Windows7
Tools and compiler	Qcc, g++, gcc
Project Description	IC project involves processing data from Vehicle processing and sends required data to UI controller. UI controller maps sent data with corresponding UI widgets and required data is shown on cluster. It basically shows the critical data like Tire pressure, fuel data, Tire temperature, tachometer, speedometer data.

Responsibilities	• Analyze the requirement for new features and do the low level and high-level design. • Implement the new feature and perform Unit testing to ensure code coverage.

Project #	**3**
Project Name	AppLink
Team Size	6
Period (Duration)	3 years, 2 months
Client	Panasonic Automotive
Work Location	Pune, India
Language	C, C++
Operating System	QNX, Windows7
Tools and compiler	Qcc, g++, gcc
Project Description	App link provides facility to connect your smart phone into infotainment system. It communicates with several modules which are responsible to boot the system and then Applink involves user interaction to take voice commands and UI touch based input. It provides embedded navigation system as well.
Responsibilities	• Analyze the the bugs from the logs and fix the issues. • Develop new features in c++ on qnx platform. • Worked on design changes for new features.

Project #	**4**
Project Name	Wince OpenGL call stack (includes Wince graphics driver development)
Team Size	4
Period (Duration)	**1 year**
Client	AMD
Work Location	Hyderabad, India
Language	C, C++
Operating System	Wince 7.0, Ubuntu 13.10**,** Wince 13
Tools and compiler	Visual studio, SVN, Super tool, gcc**,** qt4.8
Project Description	The project was to develop OpenGL call stack on WinCE platform. The OpenGL dependencies available on Linux was ported for WinCE platform. It involves the BSP development to support AMD hardware (CPU and GPU). C++ code is written for driver and BSP using visual studio Tool.

Responsibilities	• Ported LLVM OpenGL library for WinCE • Worked on development of Native drivers • Worked on defect fixing and driver performance improvement activity. • Application development for OpenGL.

Project #	**5**
Project Name	Onboard maintenance system
Team Size	20
Period (Duration)	3 years
Client	Rockwell Collins, US
Work Location	Hyderabad, India
Language	C, C++, Python, Shell scripting and Sqlite3
Operating System	LynxOS, Windows
Tools	Visual studio, SVN, Doors, Clear quest, PREP
Project Description	OMS is a subsystem which includes several applications and it is responsible to communicate with the LRU (which resides in Aircraft) using ARINC protocols. It provides maintenance data (air indicator, fuel indicator, wires configuration) to Pilot and maintenance people on the request. It communicates to LRU through Ethernet medium and OMS applications communicate using XML RPC calls internally.
Responsibilities	• Worked on following modules: ▪ Diagnostic Report Application (DRA) ▪ Display Manager Application (DMA) • Creating functional specification document. • Unit testing of code.

Academic Summary:

Course	Institution/University	Year	Marks
B.Tech(CS&E)	U.P.T.U, Lucknow	2010	74%
Intermediate	U.P. Board	2005	71%
High School	U.P. Board	2003	69%

Personal Data:

Name : Ankit Shukla

Father's Name : H.S. Shukla

Date of Birth : 22-jun-1988

Languages known : English and Hindi