**Summary:**

Experienced in staffing new SW team from ground up, developing and commercializing new technologies and deploying it across multiple devices and markets. Broad experience in large-scale software development management, from drivers to middleware to automation tools to multimedia technologies. Getting the job done on time is always best achieved by building strong teams for the future. I'm passionate about customers, about people, and about leadership.

**Software Skills:**

Languages                    : C++, ANSI C, Java

Operating systems          : Windows, Mac OS, Linux and Android

Distributed computing   : RMI, COM, DCOM, ATL, ActiveX

Applications            : Visual C++, MFC, Qt based development

WWW programming       : HTML, CSS, ASP and PHP

Version Controller           : Perforce, Continuus

Debuggers                  : JBuilder, MS-DEV

Protocols                     : HTTP, TCP/IP, WAP and Bluetooth

**Qualcomm Inc. San Diego, CA**

**Principal Engineering Manager**: ***2015 - present***

**Tools lead**: QXDM, QPST, QCAT, APEX, QNVV, QTF, QMI test pro, USB driver and PCIe driver teams.

Leading the design and development effort for Qualcomm’s diagnostic tools and drivers used by all Qualcomm engineers, OEMs (Samsung, LGE, Sony, and Microsoft etc.) and third party labs for debugging issues across all platforms -Mobile, Automotive, IOT, and Drones.

**Memory optimization Project engineer/Tech lead *2014 - 2016***

Driving the memory optimization features, tracking memory budgets and approvals for new features and creating memory maps across all Qualcomm chipsets. Reached best memory footprint for a LTE product (with 8909 chip) in Qualcomm history. Worked with sw teams in India, USA and China to reach the budgets. This involves working with all Qualcomm teams and providing strategy and quarterly update to Executive vice president of Qualcomm.

**SW Project Engineer/Tech lead:** Qualcomm Snapdragon 400(MSM8926) ***2013 - 2014***

Lead all teams and OS(Android, windows and Firefox) in all phases (pre-silicon bring-up, SOD bring up, Enterprise sample release, Feature completion release and customer sample release) working with sw and hw teams across the organization. This has shipped 145.8 M chipsets.  This includes 505 design wins and 489 TA’s. Worked with dev leads, test leads, integration leads, target lead and program managers to make this program success. Provided weekly updates to President of the Qualcomm.

**Multimedia Project Engineer/Tech lead**: ***2008 - 2013***

Technical lead and individual contributor for several Camera, Audio and Video MW components involving DirectShow architecture. Worked on multiple revisions of OS from planning to commercialization, resulting in successful product launches for Samsung, LG, HTC and Nokia.

Lead the Multimedia effort for Qualcomm’s first Windows Tablet working in partnership with Microsoft and Samsung. Successfully launched the products with several OEMS.

**Development Lead -Browser**: ***2006 - 2007***

Team Leader for Browser development of Techsoft. Involved in reviewing requirements, APIs, design documents, code and test plan. Team Leader for Browser development for Toshiba (Flextronics) phones and BenQ phone. Involved in analyzing, fixing and coordinating bug fixes for browser. Played key role in Vodafone acceptance of Browser.

**Nokia Inc., Burlington, MA**:

**Team lead**: ***2000 - 2006***

The SDK is a software tool that allows the users to test WAP, XHTML and MMS content and develop and debug MIDP applications for use on Nokia mobile handsets. The SDK is partly created from a developmental copy of the handset software (ESIM build) for the actual handset. These Phone emulators (or SDKs) simulate corresponding Handsets and integrate with various IDEs such as JBuilder, SunOne Studio for developing, debugging and testing content.

Project: HTTP Loader (WAP 2.0) for Nokia Series 40 Handsets

The intent of the WAP 2.0 project is to provide a fully functional HTTP 1.1 loader running directly over the TCP/IP protocol. The Wap 2.0 Loader is intended to replace the existing Wap 1.x HTTP loader, which runs over the WSP protocol, and to support both the Titan XHTML browser and other HTTP applications. Responsible for designing and implementing Http Core and Http utilities.

**RTS Wireless, Woodbury, NY**

**Senior Software Engineer *1999 - 2000***

Project: WML Encoder and WAP stack for WAP gateway

Designed and developed WAP Gateway functionality, responsible for encoding and decoding data transferred from and to the mobile client (phones, pagers, and PDAs). WML Encoder converts WML (Wireless Markup Language) document into WBXML (Wireless Binary XML) message. WML uses IBM's DOM Parser to generate a tree structure from WML document.

**VDO, Germany**

**Team Lead *1996 - 1999***

Developed dashboard software for cars on OSEK (Operating system for embedded controllers)

VDO manufactures dash boards for BMW, Mercedes Benz, VW, Audi cars.  Developed LCD display driver and character and image display module, Stepper motor driver for speedometer, engine temperature and MMI (Man Machine interface module) for dashboard. Responsible for leading 11-member team, collecting requirements from the client and providing integration support. Responsible for reviewing design, test plan and test report documents.

**M.S Electronics** & Control, BITS-PILANI, INDIA

**B.S** **Electronics** & Communications, Andhra University, INDIA