Jitin C. Parikh

Director LTE Multimedia Services

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SUMMARY

Proven Engineering Management experience leading teams to develop and deploy Wire line, CDMA, EVDO and WiMAX and LTE technology solutions. Deep understanding of customers operational needs with a proven ability to propose and deploy customer solutions with products and designs. Proven experience managing Tier 3 and Tier 4 support for Solaris Platform, OA&M Software assets and Software Update solution for CDMA/EVDO and LTE Technology. Experience on working with Government Agencies to propose solutions, respond to detailed RFI and execute projects.

Proven skills to introduce and teach new state of the art curriculum at junior college.

SKILLS

- Managing software teams to deploy OA&M software to deploy mezzanine processors, various vintages of HW frames, and building Wireless platform from commercial HW servers (9 yrs).
- Managing large software teams to deploy Software Update and Generic Retrofit for CDMA, EVDO and BTS platforms for past 16 releases.
- Experienced on PACE and Agile development models, organizational budget for hardware intensive projects.
- 25 yrs of technology experience from Radio transmission on HV Power lines to 3G wireless technologies.
- Experienced iOS developer.

WORK EXPERIENCE

2010-present;   College of DuPage;   Adjunct Faculty

2010-present Worked with faculty to introduce iOS technologies to the college:

- Build a curriculum to introduce a 4 credit hour class – iPhone/iPod Application Development class. Taught class for last 5 years updating the contents as Apple introduced new phone from circa iPhone 2 to iPhone 6 and all the new API that were introduced over past 5 years.
- Introduced and taught 3 credit hour class for Advanced data driven iPhone Application apps.
- Won a grant to build iPhone based Sensor apps using Ardruino kits.

2000-present;   Alcatel-Lucent (formerly **Lucent Technologies);   Technical Director**

2013-present Led a group of engineers to introduce burgeoning 4g LTE eMBMS – enhanced Multimedia Broadcast Multicast Service in Verizon Wireless network:

- Identified various gaps as we introduced new technology and developed solution for Verizon Wireless to successfully deploy new service.
- Provided Tier 4 support to all LTE customers on call processing over the LTE networks, solving complicated KPI issues to addressing network outages.

2008-2014 Managed a group to support FMS development, introduce new MMC-V2 platform, address customer disk problems with software features:

- Deployed Sun Netra based MMC-V2 software platform for CDMA offering orders of magnitude improvement on COGS, floor space and power consumption to get competitive in Chinese and Indian markets. Planned low level deliverables and an overall plan to integrate Sun, and ALU SW. Led cross functional teams of HW experts, SW experts and Sun Engineers and ALU to pinpoint and resolve problems blocking deployment of the product.
- Worked with Platform and W-CDMA architects to use CNP middleware as base for new ATCA based RNC for W-CDMA. Assessed key strengths of IPRC and US development groups and came up with a plan to divvy up SW Dev work for W-CDMA project between IPRC and US to leverage right skills set while meeting the funding target. Planned software delivery to W-CDMA in compliance with US-CFIUS restriction.
- Managed prototype and proposed GPS Monitoring project to US-DHS, FAA and US Air Force. Surveyed open source and commercial software to minimize and speed up development of GPS Monitoring. Worked with LGS and ALU PdM team to plan revenue/profit sharing arrangements for the deployment phase of the project.
- Continued to manage feature development to support Generic Retrofit and Software update for CDMA, EVDO, and BTS network elements on various different hardware and software platform. Led development team to provide Software Licensing for CMU-V chips and capacity Licenses to execute and PdM strategy.

2006-2008 Transitioned OA&M Software to China team, worked on WiMAX Project and License software:

- Per executive directive transitioned OA&M Software development to China in 6 months with detailed training plan while keeping customer commitments with transition and continuing critical development crucial security area during transition.
- Worked with The Bell Labs Research team to productize WiMAX prototype, planned integration of 200+ small development units to meet Sprint FDD and RFP. Worked on evaluation team to decide on partnership with Alvarion and other 3rd party ventures to reduce out R&D Cost. Managed transition of responsibilities after WiMAX project was cancelled post Alcatel merger due to overlap with Alcatel product.
- Planned and managed development of Licensing Software to implement PdM strategy of revenue generation through Licenses for EV-DO Rev A.

2004-2006 Continued to provide OA&M, SUA software development for the project:

- Introduced Diskless CPU HW/SW to 1xCDMA. A plug in CPU as daughterboard shrunk footprint by 2.75 and cost by factor of 5. Picked several open source software to deploy Diskless Clients. Led team to come up with exact NFS transactions and space allocations. Represented Satellite development plan to SARB and quality teams for CMMI audit. Satellites made 1xCDMA competitive and were key to winning contracts in Sprint, Reliance and China markets.
- Wrote MySQL/PHP/Perl based web application to parse SUA data from field and generate detailed customer equipage view to keep track of very detailed view of HW and SW levels at customer sites. Scrutinized data to drive improvements in SUA and shrink maintenance window under 6 hours and shrink planned downtime under 15 min for GR.
- Continued to support teams to develop 35 OA&M applications on 3 different hardware platforms. Supported development of complex O&M applications such as IP Back Hauled RCS and suite of software to convert T1/E1 backhaul to IP Backhaul.

2000-2004   Formed and led AP O&M software team for new CDMA products:

- Formed a team of 17 engineers to implement OA&M Software for deploying CDMA applications such as Call Processing Data Nodes, SS7 Nodes, Radio Cluster Servers, Billing Data applications to build 1xCDMA products. Picked evolving industry standard UML to implement OA&M base software, motivated and trained engineers to adopt and use new technology. Use of UML in O&M Infrastructure resulted in great savings in development cost for 35+ applications and great quality. Led team to be the first in Wireless business unit to leverage UML and continue to be at the forefront leveraging bleeding edge technology.
- Came up with design to logically split Network element structures and do Software Upgrade and Generic Retrofit. New design was engineered as our customer wanted complete solution to eliminate manual procedures that take hours to complete and have unacceptable failure rate. SUA addressed customer problem giving customer flexibility to update 100's of AP with ease and enabled us to book revenue in quarter that we intended by not slipping update schedules. Flexibility concepts in design allowed us to provide automation for 1xEVDO, BTS, RNC and other elements at minimal cost. Eventually this software was extended to replace corrupt or faulty disks in very short time.
- Worked with Sun and implemented FMM Loader – to load labs in less than 45 min. to improve ROI and increased automation for the test teams. Trained LEOM and turned over ownership of FMM Loader to Lab Engineering organization.

1984-2000;   Engineering Positions

- Alcatel-Lucent (1996-2000): Studied Series II Cell code, and field AR data to identify gaps in OA&M strategy for new Microcell. Came up with software architecture for concurrency problem – where various OA&M activity collided with each other, sending confusing reset or configure commands to BTS, producing unpredictable and inconsistent results leading to constant inconsistent fix on fix and numerous outages in field. New OA&M Architecture addressed concurrency issues with strong OA&M design. Wrote 12k NCSL code with API to support various sub system.
- Alcatel-Lucent (1989-1996): Technical work on various engineering project including deployment of line units on radio T1/E1 carriers, STM transport and HW COGS reduction projects in Line Unit area.
- MCI Communications (1985-1989): Developed software to monitor DSC, Nortel, Ericsson wire line switches at NOC. Automated alarms to trigger tech pagers.

- GEB Power Utility-India (1983-1985): Developed and deployed project to support Radio channels for voice and data communications over power grid transmission lines.

EDUCATION

Master of Science in Computer Science - May, 1992 from Illinois Institute of Technology

Bachelor of Electrical Engineering – May, 1983 from M. S. University of Baroda, India