

COVER LETTER

This note is to express my deep interest in the position. I feel my blend of experience and exposure which is spanning from technical hands on experience to Solution Engineering to Program Management in Network Management Systems (NMS), DevOps, IoT (Starting with) area which has given me a genuine technical architecture vision and technical management abilities. To the best of my awareness I can tell you that my leadership skills, ability to lead and motivate has always brought team together and produced quality results.

I have got good experience in working with collaboration among cross functional engineering teams at different geographies. I have successfully brought consensus, translated technical vision among all the stake holders including higher management in my technical projects/proposals for customer without sacrificing the 'right' thing. And ultimately that has produced results for company and me.

Varied experience and extensive exposure with top product companies and successful startups has given me a blend of technical intelligence, integrity, domain knowledge, excellent communications skills, and diplomacy to create a win-win situation for everybody.

I have enclosed my resume for your review. I would like the opportunity to meet and share more about my experience and me as a professional. Thank you for your consideration.

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➤ Objective:

To build, manage, innovate a high class product adding a positive delta in the growth of an organization, technology, and in progressivity of everybody as a whole and last but not the least including me.

➤ Job Description:

Brief:

I have 14 years of industry experience. I am currently driving solutions in the field of M2M and IoT.

I have demonstrated thought leadership on DevOps in forums like Step-In and Unicom.

In past contribution has been in all the stages Software Development Life Cycle with focus on application software for Element & Network Management Systems (EMS-NMS) particularly on Telecom Vertical.

In Last 4 years I have worked as Sr. Solution Architect/Technical Program Manager handling customer proposals, managing high performing teams, defining joint GTM strategies, participating in marketing initiatives, leading center of excellence, applying best practices, leading innovations, demonstrating program management of large scale telecom projects with global telecom equipment manufacturers and service providers.

I have natural inclination to this uncanny art of motivating people, bringing people together to achieve the tangible results and inculcating an innovative mindset in approach. I have got excellent communication and presentation skills.

➤ Software Skills/Domain know-how:

Puppet, Jenkins, Nolio, Java, J2EE, WebServices, SOAP-XML, NetConf, C++, C, Unix, Linux, Clearquest, Purify, JBuilder, Netbeans, AdventNet Library, Client side ODBC, JDBC experience, SNMP, Corba, Adobe Flex 3.0, Adobe Flex Builder, Hibernate, Apache/Tomcat, AJAX, CSS, Swings, JFreeChart Library, RMI.

➤ **Professional status:**

Total Industry Experience: ~14 Years of Experience

Company Name	Duration	Designation
Tech Mahindra Ltd	June 2010 – Till Date	Sr. Program Manager/ Sr. Solution Architect
Motorola Solutions	July 2008 – June 2010	Lead Engineer
Firetide Networks Pvt. Ltd.	Sep 2005 - June 2008	Sr. Software Engineer
Sun Microsystems	Mar 2004 – Sep 2005	Member of Technical Staff
Lucent Technologies	June 2000 – March 2004	Sr. Software Engineer

➤ **Summary of products worked upon:**

- Have worked on CA LISA Release Automation also known as Nolio.
- Have worked on Alcatel-Lucent Light Radio Management System (LMS)
- Have worked on NMS for Wireless LAN Switches like RFS6000, RFS7000, RFS4000 and working on the next generation Network Management System.
- Experience in Firetide Networks India for products given below
 - Product HotView Pro Mesh Management Software
- Experience in Sun Microsystems for product given below
 - Solstice Enterprise Manager (SEM)
- Experience in Lucent Technologies for products given below
 - Service Quality Management (SQM)
 - Base Station Controller Frame (BCF), one of the nodes of GSM
 - Fault Server, NavisXtend Product
 - iEMS2.0 Platform, to rapidly develop an Element Management System.

➤ **Industry Projects (In chronological order):**

Project 1: Technical Program Manager/ Sr. Solution Architect

Employer: Tech Mahindra Limited

Description of Work:

- ✓ Currently heading a key initiative on Release Automation and Continuous Delivery around Devops Practice at TechMahindra Ltd. Managing and driving a key partnership with Computer Associates around Devops area. Have already been able to market the solution and open an account for Tech Mahindra. Recently came out as a 2nd winner in Devops chalk talk challenge conducted by CA.
- ✓ Have worked as Delivery Manager at **Alcatel-Lucent** and handling a team of 15 people for a key product line of Light Radio Management System, a complex piece of software. Worked on all aspects of program management coordinating with cross functional teams driving team work, collaboration, defining priorities, ramping up the team, maintaining minimum attrition and doing complete account management for Tech Mahindra.
- ✓ Have worked as a Sr. Solution Architect handling customer proposals in particular driving from Technical Solutions perspective (and it requires extensive collaboration among multiple functional groups), driving innovations, customer interactions, and winning multiple proposals for the company and bringing close to 2.5 Million of business to the company.
- ✓ Have submitted provisional patent in India Office.

Project 2:

Network Management System

Employer:

Symbol Technologies India Pvt. Ltd.

Description of Work:

Worked on Element Management System and Network Management System for Wireless LAN Switches and Access points. Provided technical leadership in building the next generation Network Management System. Developed UI using Adobe Flex, Communication protocol was XML RPC based under upcoming standard called Netconf with backend in Python. We developed framework for user interface which drives the GUI design and it is absolutely component based. Along with leading the team, I was absolutely hands on. Worked closely with US based engineering team and across functional groups to understand the products and technologies, release plans and ensure effective coordination between the two teams and ensuring timely execution of deliverables.

Platform (SW/HW):

Linux

Learning:

Java Swings, SNMP, Flex, Netconf

Duration:

July 2008 – June 2010 Team Size: 6

Project 3: **Hotview Pro Mesh Management Software**
Employer: **Firetide Networks India Pvt. Ltd.**
Description of Work:

Developed the SNMP module using Adventnet SNMP agent toolkit. Developed charting module. Supported N number of management features like Broadcast containment, Performance Management, ported MD5 algorithm from C to Java. Developed the full support for the new products introduced. Handling the application running on Node written in C language which talks to NMS. Writing SNMP MIBS for several products like Access Points and CPE. Developed Swing based GUIs for multiple features. Driving NMS feature developments from India.

Platform (SW/HW): Linux, PostGreSql Database, Java
Learning: NMS, SNMP, Java
Duration: SEP 2005 – June 2008 Team Size: 5

Project 4: **Solstice Enterprise Manager**
Employer: **Sun Microsystems**
Description:

Worked on generic management platform for telecom network equipment supporting multiple south bound interface protocols. It exposes application programming interface so that service providers can call those APIs and develop customized management software. Worked on developing North Bound Interface for OSS/BSS

Platform (SW/HW): Solaris UNIX, Informix database, Code manager tool.
Learning: NMS, ASN.1, GDMO, CMIP, SNMP
Duration: APRIL 2004 – SEP 2005 Team Size: 8

Project 5: **Service Quality Manager**
Employer: **Lucent Technologies**
Description:

With VitalSQM service providers can offer custom-tiered SLAs that can be reliably measured and confirmed, reducing SLA penalties and enhancing customer satisfaction, the solution measures end-to-end service level compliance and prevents degradation of services. Worked on expression compiler which parses arithmetical expressions of key performance indicators and key quality indicators into meaningful format for SQM. Worked on a tool which reports the comparison of real data stored in database with the data stored in pre-populated file for a defined input.

Platform (SW/HW): C++, Java, Windows, Solaris Unix, Oracle database, Clearcase in the Configuration Management software, Clearquest.
Learning: Understanding of Service Quality Management system, Lex and Yacc, Usage of Purify, Understanding of Oracle Database, Learnt C++, Learning of Makefiles.
Duration: MAY 2003 – MARCH 2004 Team Size: 10

Project 6:
Employer:
Description:

NiEMS
Lucent Technologies

iEMS platform provides a framework for rapidly developing an Element Management System (EMS) platform that is cost effective, extendable, scalable, and highly reliable and that supports various types of new and existing Network Elements (NE). NiEMS was the development of EMS using iEMS for Lucent access devices, which provides the ability for a user to invoke actions that act on NE. It also provides near real-time presentations of specific Network aspects that show the state of the NE. Various NMS functions have been included into the EMS solution to provide customer value. Developing EMS for a particular NE is meta-data driven.

Platform (SW/HW): SNMP, Java, XML, Solaris-Unix, Versant OODBMS, Rational Rose Model tool for Object Modeling, Clearcase in the Configuration Management software, AdventNet tool, HP-Open view

Learning: Understanding of Architecture of iEMS Platform in reference to TMN model, MIB, Object modeling of PSAX management system, Fault Management System, Alarm correlation, working of PSAX device, rational rose sequence diagrams, Circuit configuration, SNMP.

Duration: MAY 2002 – APRIL 2003 Team Size: 20

Project 7:
Employer:
Description:

NAVISXTEND FAULT SERVER
Lucent Technologies

NavisXtend Fault Server provides SNMP based fault management services. The features provided by fault server include:

Creating Alarms from Traps from the Lucent core and access devices like GX500, BSTDX9000, PSAX
Applying alarms to rules Alarm Forwarding. Can forward alarms and traps as SNMP traps to other applications. User Actions on alarms (Close, acknowledge, assign, change severity) Database Storage in Sybase database Client interface for viewing traps and alarms Trap forwarding based on switch ID, lport, pport, and circuit DLCI, VPN IP, Customer ID and alarm severity. Supports trap sequencing and Reliable trap processing Group Alarms MIB compiler supports so that new switch code and hardware, including third party devices are field upgradeable.

Platform (SW/HW): Client side Java, C++, Solaris Unix, Interaction through SQL with SYBASE database, SNMP.

Learning: Understanding of Fault detection and correlation methods, SQL, SNMP, exposure to SNMP protocol stack, usage of Solaris debugger, usage of RogueWave libraries, MIB, learning of PIPES in IPC as it was multi-process product.

Duration: OCT 2001 – APRIL 2002 Team Size: 3

Project 8: **CLUSTER COMPUTING PROCESS (CCP)**
Employer: **Lucent Technologies**

Description:

This project is part of Base Controller Frame (BCF) in Lucent GSM network. It involves an understanding of the High Availability and Fault Tolerant systems (Reliable Cluster Computing (**Lucent's proprietary**)). The Cluster Computing Process is the interface to High Availability System and GSM Application software. Its design is multithreaded. It uses Unix Sockets, Corba and Message Transfer Mechanism (MTM) to communicate with other process in BCF, Posix threads for multithreaded programming.

Platform (SW/HW): C, HP-Unix, Sablime and Clearcase in the Configuration Management software, IONA Orbix as ORB in CORBA, MTM communication for SDL process, POSIX threads, RougeWave queues and BCF frame for testing.

Learning: As it being the first Industry project for me learning was immense in every aspect of software field. Understanding of Cluster Computing, Fault Tolerant System, Multithreaded Architecture, CORBA, BCF frame etc.

Duration: OCT 2000 – SEP 2001 *Team Size: 3*

➤ **Academic Project:**

Project: Design and Implementation of DIRECT SEQUENCE CDMA TRANSMITTER.

➤ **PROFESSIONAL EDUCATION:**

1996-2000 B.Tech. in Electronics & Communication Engineering (CPI – 8.7/10),
IET Kanpur, INDIA, First class with Distinction.

➤ **PERSONAL DETAILS:**

Date of Birth: July 17,1977
Marital Status: Married
Sex: Male
Permanent Address: 7-M-8, Dabauli, Kanpur, 208022.
Nationality: Indian

I declare that the information given above is true to the best of my knowledge.

Manish Mishra