

Sandeep Gupta

Sr. Software Engineer at Alcatel-Lucent

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Summary

Understanding clients and continuous improvement with technical expertise are main assets which I gained in last 22 year of experience. Working in Alcatel-Lucent since 1998 and handling many critical issues of internal and external clients while working on features for new releases.

Looking forward to work on to implement cloud platform for telecom products.

Experience

Sr Software Engineer at Alcatel USA

June 1998 - Present (15 years)

Jan 2006 till now :

Area prime for DB and performance group in NGN platform to implement feature for WCS_5060.

Responsibility :

- Co-ordination with India, China team
- Participate in PCB meeting.
- Support TMO deployment.
- Code review
- Assigned feature work
- Resolve critical issues

Tools: mdb, gdb

OS : Linux, Solaris

Database : Oracle TimesTen 6.0/7.0

Language : C/C++

Working knowledge : Java, PHP

Tools : phprunner

Cloud Platform : VICI

WebService : SOAP WSDL

June 1998 to Dec 2005

Led high available system framework team for Alcatel Cross Connect products.

The system keeps the database for Cross Connects and it is the market requirement that this system should be available 99.99% time. Worked on following modules:

1. Device Manager - Keeps the state for each card onto the system, if any card remove/reset/hung, it send appropriate message. Monitors system temperature, power supplies FEEDA and FEEDB.

2. System Initialization Module -

The initialization module is responsible to start application tasks and keep monitoring those tasks. It also send keep alive message to mate system and keep system states. If active system hung/reboot than mate becomes active.

Later on this module has been developed in ACE to use on Solaris and VxWorks OS.

3. Configure Solaris Disk Suite - Configure SDS to provide high availability storage. Provide disk high availability solution by using SDS interface.

4. System Installation and upgrade module - Objective was to install system from single media, created a bootable disk from SUN boot disk and added all required utilities, application in single media. Also provided upgrade module without affecting existing S/W. provided a feature where if we need to go on old S/W, we can switch.

I was involved in SXFS (Non corruptible FS), SCSI driver enhancement, System Initialization Software, OS specific device driver and utilities. Used gdb, ddd, kdb and truss debug tools extensively.

Sr. Software Engineer at Alcatel-Lucent

March 1998 - Present (15 years 3 months)

Working on to provide high available server for telecom equipment. Worked on Solaris, Linux and various cluster software modules.

5 recommendations available upon request

Software Consultant at NCR Columbia - South Carolina

December 1996 - May 1998 (1 year 6 months)

Enhanced unix kernel, command, worked on improving VxFS file system for SVR4.0 UNIX.

Source code was available in C.

Software Engineer at HCL Technologies

September 1994 - February 1998 (3 years 6 months)

Working as Consultant in NCR.

Software Er at ETT, Delhi

September 1991 - October 1994 (3 years 2 months)

Ported SVR4 UNIX on ETT hardware. Ported SCSI Device Driver,

Line Printer, RAM Device Driver, Mouse Device Driver and Electronic patch panel software.

Code was available in C.

1 recommendation available upon request

ET&T Delhi at ET&T

September 1991 - August 1994 (3 years)

Worked on porting AT&T Unix on ET&T hardware to introduce as ETNIX.

Languages

Hindi

Skills & Expertise

Device Driver

Virtualization

Team Leadership

Continuous Improvement

Data Migration

In Service Upgrade

Team Management

Business Services

Upgrades

Device Drivers

Unix

TimesTen Database

Database replication

Problem solving

Database Design

Live Upgrade

Replication

GSM

Linux

PaaS Implementation

SaaS Implementation

Cloud Platform

CRM databases

SaaS

Education

Barkatullah Vishwavidyalaya

Master, Computer, 1988 - 1991

Jiwaji University

Master of Science; Bachelor of Science, Computer, 1985 - 1988

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6 people have recommended Sandeep

"Sandeep has helped me on several occasions and has gone out of his way to provide help with database issues and installation of software upgrades. Sandeep has been very knowledgeable on replicated databases and worked with scripts for system upgrades involving the replicated databases. Sandeep has helped many times on off hours from home when called on his cell phone, and has provided the help willingly."

— **Tom Rufi**, *system test staf eng, DSC Communications / Alcatel USA*, worked with Sandeep at Alcatel-Lucent

"Sandeep has an incredible "get it done [and done well]" attitude about everything. He has excellent technical ability and consistently productive interaction with team members and management. Strong and consistently motivated, reliable, flexible."

— **Wendell McBride**, was Sandeep's client

"I enjoy working with Sandeep. He has immense knowledge and is always reliable when it comes to getting work done. The documentation team and myself appreciate all the technical support he provides us. His attention to detail has helped improve the quality of content, especially in the release notes, MOPs, and FDDs."

— **Elizabeth Wang**, *Global Manager of Technical Publications for NGN, Alcatel-Lucent*, worked directly with Sandeep at Alcatel-Lucent

"Sandeep is one of the most helpful developers I have worked with. He always goes the extra mile to make sure our development needs are met. He is very prompt in his responses whenever I need his support and he has the solution to all problems. I have rarely run into a situation where it took Sandeep a long time to figure out a problem. I am very happy to write all this on behalf of Sandeep Gupta, glad he is on our team."

— **Dawood Shahdad**, *Manager - New Product Introduction (NPI), Alcatel-Lucent*, managed Sandeep indirectly at Alcatel-Lucent

"Sandeep is a very bright Software Engineer. As a tester, I worked with Sandeep regarding any issues on the Alcatel Wireless Call Server. He is able to create/fix any code that he is asked of. On top of that, he communicates very well, and is quick to help with resolutions - within hours, not days. I highly recommend Sandeep's work to anyone who may be looking for his services! Feel free to contact me if you have any questions."

— **Jimmy Tanghongs**, *Network Integration Test Engineer, Alcatel-Lucent*, worked with Sandeep at Alcatel-Lucent

"Sandeep is highly knowledgeable, very hard working and great team member. Sandeep's problem solving skills includes going to the root of the problem and find the reason for the problem and apply the fix so it doesn't happens again. I have great regards for his problem solving skills."

— **Sharad Sharma**, *Engineer, ET & T Corporation*, worked directly with Sandeep at ETT, Delhi

[Contact Sandeep on LinkedIn](#)