**MAHESH SAVANUR**

msavanur@yahoo.com

+91- 9980140537

**ANNEXURE**

**Job Objective**

Seeking senior level assignments in Project Management, Consulting, Implementation and Life-Cycle

Management which includes architecting, implementing, maintaining a small, medium and enterprise scale

mission Critical Systems, Call Centre Solutions, Electronic Exchanges, IT Service Delivery Management, Data

Centre Operations and Disaster Recovery Management with an organization of repute.

**Summary**

**Technically sound & business savvy management professional** with more than **18 years** of career reflecting

strong leadership qualifications with hands-on IT Infrastructure Project Management, Data Centre

Operations, Disaster Recovery Management, Business Continuity Planning and IT Service Delivery

Management. Skilled in designing IT infrastructure and implementing technology to support large user

groups, supporting users at corporate headquarters as well as multiple remote locations. Proficient in

managing large and complex IT infrastructure.

**Experience in Life-Cycle Management** which include Fault-Tolerant & High-Availability Cluster & Load

Balancing Hardware platforms, Virtualization of Servers and transactional applications, managing of complex

multi-user & multiple platforms (Microsoft/Novell/Linux) based solutions, Storage & Backup Technologies,

Information Security, Database Administration, Networking Technologies, Telecommunication and wide

range of Data & Voice Cabling Technologies, Remote Infrastructure Management, Web services, etc.

**Expertise in industry standard frameworks**, controls, methods and best practices like Project Management

Body of Knowledge (PMI-PMBOK), IT Service Delivery Management (ITIL/ISO 20000), IT Governance, Risk &

Compliance Management (ISO 9001:2000), and Information Security Management System ISO (27001:2005);

**Specialisation in managing complete data centre operations,** implementing technology to support large user

groups. Deft at analyzing information system needs, evaluating end-user requirements, custom designing

solutions, troubleshooting for complex Information Systems Management. Proven skills in managing teams

to work in sync with the corporate set parameters, motivating them for achieving business and individual

goals. An effective communicator with exceptional analytical, technical, negotiation & client relationship

management skills with the ability to relate to people at any level of business and management. Impressive

fast track management career driven by challenges and a desire to be successful in all endeavours.

**Core Competencies**

Infrastructure Management IT Operations Management Electronic Exchanges

IT Service Delivery Management Risk Management/ Compliance IT Governance

Data Centre Operations Disaster Recovery Management Business Continuity Planning

Project Management Information Security Management Call Center Solutions

**Employment Details**

**Since May 2010: Multi Commodity Exchange of India Ltd., Mumbai as Sr. Manager - Systems & Networking**

Highlights:

 Astutely handled overall supervision & 24x7x365 support to data centre operations in order to meet

business requirements of MCX by ensuring High availability of Live Trading environment targeting a

99.999% uptime.

 Acted as a SPOC for all requirements and played a pivotal role in administering :

o Project Management, Configuration Management, Change Management, Incident Management,

Capacity Planning & Performance Management.

o Strategic Relationship & Stakeholder Management, People Management, Talent Acquisition &

Development, Asset Management, Vendor Management.

o Regulatory Compliance Management, Resource Planning and Budget Management.

 Offered detailed inputs to Senior Management in order to prepare Annual Budgets, CAPEX & OPEX

Management, etc.

 Monitored functions pertaining to release management.

 Instrumental for making changes to Live Trading Environment and dealt with system fall-outs.

 Managed end-to-end, timely and defect free deployment of all new S/w or H/w releases in production

environment in coordination with System Integrators, OEMs and other stakeholders.

**ANNEXURE**

 Maintained various Test environments (Production, UAT and CTCL) and involved in assisting definition of

the testing strategy, carrying proof of concept, Root Cause Analysis, etc.

 Administered IT Service Delivery, IT Governance, Risk & Audit Compliance Management.

 Ensured execution of system operations effectively in order to have a 100% adherence to the defined

SLA’s, SOPs, TAT’s, CTR and OLA’s

 Assured compliance with agreed policies, standards and procedures.

 Conducted & supported periodic system audits with Deloitte, KPMG, PWC and IOSCO in coordination

with Internal Audit Team.

 Undertook security review meetings with Auditors and remediation requirements, replied to audit

observations with management responses and closed the audits.

 Efficiently interacted with Govt. Regulatory Bodies like SEBI, FMC, NSDL, CDSL, etc. to meet the

compliance standards.

 Developed plans for industry standard frameworks, controls, methods and best practices viz. ISO 9001,

ISO 27001 & ITIL/ISO 20000 with respect to:

o Certification and accreditations, system security plans, risk assessment & business impact

analysis, process adoption, introduction and continuous improvement.

 Regularly reviewed & audited the performance of the System Integrators and Serviced Providers.

 Worked on Information Security Management and interacted closely with the IT Security Team to deploy

Secured IT Infrastructure for MCX Trading Environment entailing:

o Appropriate access through Firewall, VPN & with second level security Token (RSA).

 Assured follow up of security hardening policy for all Trading Applications, Servers, Databases, Network

Devices, and Web Applications etc.

 Oversaw Patch Management as well as conducted VAPT (Vulnerability Assessment and Penetration

Testing) testing on time to time.

 Monitored Business Continuity and Disaster Recovery Planning & Management.

 Undertook management of all components of the DR Site including Servers, Storage, Firewalls, Routers,

Switches, and Network etc.

 Planned & executed DR Mock Drills & carried out readiness check at regular intervals.

 Conducted data movement between DC & DR Sites as per the agreed process.

 Continuously looked after all services through CA Spectrum & e-Health to ensure that every reasonable

effort was made to restore services.

 Replication / Mirrored databases between Primary and DR Sites in Real Time, Backup & Recovery.

 Looked after SQL Server Integration Services (SSIS) with SAP Business Objects in coordination with DBA

Team, Performance Tuning, Log Shipping, Data Archival Practices, etc.

 Played a key role in handling Storage, Backup & Capacity Management as well as monitored & supported

SAN infrastructure to maintain storage service availability.

 Performed storage capacity planning and performance analysis, upgraded & maintained storage

firmware and management software to ensure optimum performance, utilization and availability

o The backup scope included SAN/NAS, Tape Libraries covering complete IT production

infrastructure with around 1PB of space.

**Project Name: MCX SMS & E-Mail Alerts Notification System**

**Project Objective** The objective of this Project was to communicate/sending the details of trades

executed on Exchange (MCX) platform to the concerned clients/investors at the

end of each trading day through SMS & E-Mail alerts effective as directed by

Forward Markets Commission, a regulatory authority for commodity futures

market in India. Exchange (MCX) was sending daily Trade Alerts through SMS & EMail

on mobile numbers and email IDs of the clients uploaded by the trading

members in the UCC (Unique Client Code) database of the exchange.

**Previous Experience**

July’07 – Apr’10 **Financial Technologies (India) Ltd.**

Location: Mumbai, India.

Manager - IT

Sept’03 – July’07 **FCm Travel Solutions (India) Pvt. Ltd.**

Location: Bangalore, India.

Systems Manager - IT

Feb’00 – Aug’03 **Compudyne Winfosystems Ltd.**

Location: Bangalore, India.

Sr. Systems Engineer

Aug’97 – Jan’00 **Software Technology Group International Ltd.**

Location: Bangalore, India.

System Administrator

July’95 – July’97 **NIIT Ltd.**

Location: Hubli, India.

Sr. Faculty cum System

Administrator

**ANNEXURE**

**Certifications**

 ITIL V3 Foundation Certificate in ITSM - TÜV SÜD Academe

 ITIL V2 Foundation Certificate in ITSM - EXIN ITIL (EX0-100)

 Cisco Certified Network Associate - CCNA 3.0 (640-607)

 Microsoft Certified Professional - MCP (70-228 & 70-229)

 Certificate in Computing (CIC) from IGNOU, Delhi

**Others**

Title: Facilitating PMP Certification (9 Knowledge Areas)

Institution: Effective Project Management Consultancy, Mumbai

Title: PMP Essentials & PMP Face-2-Face Workshop

Institution: Project Management Research Institute, Bangalore

**Skill Set**

 Extensive experience in architecting, implementing, maintaining a small, medium and enterprise scale mission Critical Systems, NTier

Data Centre & Disaster Recovery Site Solutions, Call Center Solutions, Electronic Exchanges (Equity/Stock, Spot, Commodity,

Currency, Power), Web services, Fault-Tolerant & High-Availability Cluster & Load Balancing Hardware platforms, Virtualization of

Servers and transactional applications, managing of complex multi-user & multiple platforms (Microsoft/Novell/Linux) based

solutions, Storage & Backup Technologies and wide range of Data & Voice Cabling Technologies, Remote Infrastructure

Management, etc.

 Expertise and experience in industry standard frameworks, controls, methods and best practices like Project Management Body of

Knowledge (PMI-PMBOK), IT Service Delivery Management (ITIL/ISO 20000), IT Governance, Risk & Compliance Management (ISO

9001:2000), Information Security Management System ISO (27001:2005); as well as process adoption, introduction and

continuous improvement, Business Continuity and Disaster Recovery Planning.

 Industry Standard Frameworks, Controls, Methods & Best Practices:

o Project Management Body of Knowledge (PMI-PMBOK4)

o IT Service Delivery Management (ITIL Ver. 2.0 & 3.0 / ISO 20000 & ITSM)

o IT Governance, Risk & Compliance Management (ISO 9001:2000)

o Information Security Management System ISO (27001:2005)

o ISO 17799 / BS 7799 / BS 15000

**Academic Details**

 Bachelor of Science (PCM) from Karnataka University Dharwad, Karnataka, India (1996).

 GNIIT from NIIT Ltd., Bangalore, India (3 years course).

**Personal Details**

Date of Birth 20th July, 1973

Languages English, Hindi & Kannada

Passport: B1911010

***Refer to the annexure for previous experience details, IT skills***

**ANNEXURE**

**Projects Executed @ Financial Technologies**

**Project Name: Safal National Exchange of India Ltd., Bangalore, India**

**Project Objective:**

The objective of this Project is to build a Data Centre for Safal National Exchange (SNX) at Bangalore, a state-ofthe-

art electronic exchange, which provides a technology based competitive market place with wide choice to

farmers in Marketing of their perishables and other allied produce in a fair and a transparent manner by using

modern IT and improved Logistics. Fruits and vegetables traded through APMC markets and Members

connected to Central Computer System (Trading Platform) and Orders are matched on price-time priority.SNX

is a joint venture between Mother Dairy Foods Processing Limited (MDFPL) - a wholly owned subsidiary of

National Dairy Development Board of India (NDDB), MCX and Financial Technologies Ltd. Websites:

www.snxindia.com & www.ftindia.com.

**Project Name: National Spot Exchange Ltd., Mumbai, India.**

**Project Objective**

The objective of this Project is to build a Data Center for National Spot Exchange Ltd (NSEL) at Mumbai, a

state-of-the-art electronic exchange, and demutualised commodity spot market. It provides an

electronic, transparent, well organized and centralized Trading Platform with the facility to access and

participate in the market remotely. It facilitates risk free and hassle free purchase and sell of quality and

quantity specified commodities to commodity market participants including farmers, traders, processors,

exporters, importers, arbitrageurs, investors and the retail market participants. In addition the Exchange

provides delivery based trading in bullions and metals across the country. NSEL is promoted by Financial

**At Financial**

**Technologies**

 Carried out Risk Analysis and Issue Management.

 Understood & identified KSFs (Key Success Factors), KRFs (Key Risk Factors) and managed Stakeholders

 Maintained Strategic Relationship & Stakeholder Management entailing constantly monitoring and reporting the

project progress to all Stakeholders

 Presented reports defining project progress, problems and solutions

 Checked quality assurance & reviewed SLA’s compliance status on an ongoing basis and make strategies to

overcome non- compliance by taking corrective measures by ensuring:

o Appropriate project governance was in place for all projects, and documented in the project plan

 Implemented and managed project changes and interventions to achieve project outputs

 Played a pivotal role in handling multiple projects throughout the project lifecycle across Financial Technologies

Group Companies; The scope of work includes designing, sizing, deploying products & services, maintaining,

supporting, and optimizing key functional areas like:

o Data Centre Facilities & Disaster Recovery Sites build and Relocations, which included preparation of

Data Centre layouts including server rooms, auxiliary areas, DC Cabling, UPS, DG, Electrical Design, Air

conditioning Systems, Physical and Logical Security in Data Centre and CCTV surveillance solutions, fire

protection/alarm systems, precision air conditioning (HVAC) based on IT loads and rack requirements.

Data Center environment stability, Focusing & Implementing Power management tools towards “Go-

Green” initiatives. Project documentation.

o Establishment of Network Operations Centre.

o Network infrastructure, Data communications and telecommunications systems.

o Operating Systems – Windows and Linux, etc.

o Server Technology (Rack Mount, Blades, etc.)

o Storage Solutions/Technologies (NAS, SAN, DAS, etc.) & Capacity Planning.

o Backup Solutions (de-duplication, Tape Library, software, hardware, VTL, etc.)

o Virtualization Technologies (VMware, Hyper-V, etc.)

 Looked after Network Security Services & Intrusion Detection/Preventive Systems (Firewall, SSL VPN, RSA

Tokens IDS/IPS, Contents Filter, etc.)

 Worked on:

o Extranets, DMZ zones, Web Application Services

o Network Monitoring Systems (CA Spectrum & E-Health, Blue Coat)

o Database Replication/ Mirroring between DC & DR

o Disaster Recovery and Business Continuity Planning

 Designed a fail-safe architecture for the DC & DR in line with the organizational requirements

 Assisted in the Data Centre Operations in designing and managing:

o Information Security and Business Continuity, Information Security Audit, Vulnerability Assessments &

Penetration Testing of Network, Host, Applications

 Monitored hardening of operating systems, database systems and applications as per standard guidelines

**ANNEXURE**

Technologies (India) Ltd. and National Agricultural Cooperative Marketing Federation of India Limited

(NAFED). Websites: www.nationalspotexchange.com & www.ftindia.com

**Project Name: MCX Stock Exchange Ltd., Mumbai, India.**

**Project Objective**

The objective of this Project is to build a Data Center & Disaster Recovery Site for MCX Stock Exchange (MCXSX),

India's new stock exchange, at Mumbai, a state-of-the-art electronic platform for trading in currency

derivatives. Currently MCX-SX offers currency futures contracts in US Dollar-Indian Rupee (USDINR), Euro-

Indian Rupee (EURINR), Pound Sterling-Indian Rupee (GBPINR) and Japanese Yen-Indian Rupee (JPYINR). The

exchange received approval from SEBI and Reserve Bank of India (RBI) to launch a nationwide electronic

platform for trading in currency derivatives. The Exchange is under the regulatory framework of Securities &

Exchange Board of India (SEBI). Websites: www.mcx-sx.com & www.ftindia.com

**Projects Executed @ At FCM Travel Solutions**

**Project Name: FCM Travel Solutions South India IT Infrastructure Setup Project.**

**Project Objective** The objective of this Project is to build a state-of-the-art IT Infrastructure setup for FCM Travel Solutions

Regional Office located at Bangalore & 9 branch offices across south India. The IT Infrastructure setup includes

the most advanced technological IT-infrastructure equipped with IT-Service Help-Desk, user friendly website,

regular online newsletters, Visa tracking tool, Sales tracking system with 24/7 facility to support India customers

in regard to their Domestic and International Air travel bookings. Website: http://in.fcm.travel, www.fcm.travel

& www.flightcentre.com

**Project Name: FCM Travel Solutions India Call Centre Project, Bangalore, India.**

**Project Objective** The objective of this Project is to build a state-of-the-art India Call Centre (Domestic) for FCM Travel

Solutions in Bangalore of about 100 agents to support Indian customers/passengers/corporates to book

their Air tickets thru the Call Centre travelling across Domestic and internationally.

This Call Centre includes most advanced technological IT-infrastructure equipped with CRM package, Visa

tracking tool, Sales tracking system with 24/7 call centre facility to support Indian customers / passengers

/ Corporates to book their Air tickets thru the Call Centre travelling across Domestic and internationally.

Website:http://in.fcm.travel, www.fcm.travel & www.flightcentre.com

**Technical Expertise: Software & Hardware**

**Software:**

**Wintel System Administration skills** Server: MS Windows 2012 / 2008 / 2003 /2000 / NT 4.0, Desktop: MS Windows 8 / 7 / Vista /

XP / Win 9x.

**RDBMS** MS SQL Server 2008 / 2005 /2000 / 7.0, Sybase10, ORACLE 8i

**Novell Netware**

**System Administration Skills**

Novell Netware 4.11 / 5.0 / 5.1 / 6.0 / 6.5, User Administration, Border Manager Rules Admin.

iFolder 1.0, iManage 1.0, iPrint, Remote Manager, Apache/Tomcat, iChains, eDirectory, Radius,

ZenWorks, NetStorage, Novell Client (V4.90 with SP2 and v3.4 clt 95e)

**Linux System Administration Skills** Linux 7.2/8.0/9.0, Red Hat Enterprise 3.x / 4.x., RedHat Enterprise Linux AS 4.0, RedHat

Enterprise Linux WS 4.0, Installation, Configuration and Troubleshooting Desktops & Servers

in Linux Environment, NIS, NFS, DNS (BIND), HTTP, Authentication Services (PAM), Systems

Monitoring, Securing Data, File System Management, TCP/IP Network configuration, Squid

**At FCM Travel**

**Solutions**

• Established the entire IT Infrastructure of all the South Indian branch offices of the company which includes

Bangalore, Mysore, Mangalore, Hyderabad, Chennai, Coimbatore, Cochin, Vizag and Trivendrum branch

offices.

o The Scope of work includes designing, sizing, sourcing, deploying products & services like Systems,

Storage, Network, Security and Telecommunication design of all the branch offices. Maintaining,

supporting, and optimizing a network of 350+ Computers in Bangalore & other branch offices.

• Supported and maintained the Technology Infrastructure Services Administration of servers consisting of

Windows 2000/2003 Servers, Novell Netware 5.1/6.0, and Mail & Internet Servers.

• Responsible for Operating system upgrades and patch installations

• Monitored System Performance, queue and job maintenance and security access.

• Ensured smooth functioning of Servers, Internet Leased lines and maintenance of Routers, Leased line

Modems, switches, VOIP Line, telecommunication devices and other networking components

**ANNEXURE**

Proxy Server, Apache (HTTPD), FTP Servers (fFTP and lFTP), TELNET, Shell Scripts: KSH, SH or

CSH, HTML, QMAIL, IPTABLES, IP CHAINS, Samba, MRTG, etc.

**Networking Technologies** LAN/WAN/Internet/Intranet/Wireless (Wi-Fi), etc. Wide range of Data (Hubs, Switches,

Routers, Patch Panels, Modems) & Cabling Technologies (CAT5, CAT6, CAT7 & Optical Fibre

Cabling) Telecommunication (EPABX – Electronic Private Automatic Branch Exchange) Systems.

Co-axial, Cross Cable, UTP & STP, RJ45 Crimping Tool, NAT-ing, IP Routing, VOIP, VLAN, VPN,

Windows 7/XP/Vista/2000/2003/2008/2012/Linux/Novel Netware.

**Remote Administration & Network**

**Monitoring Tools**

MS Windows Terminal Services & Net-meeting, Remote Desktop (MSTSC), Symantec

PCAnyware 10.5, Real VNC 3.3.7, Telnet, Windows FTP Server, Serv-U FTP Server 11.0, FTP

Voyager 15.2, WS\_FTP95, etc. IP KVM’s, WinClient, etc. Network Monitoring Systems & Tools

CA Spectrum 9.0, e-Health, System Edge, etc. Sniffer Pro Basic 4.5, Cuteftp 4.2, MRTG (Multi

Router Traffic Grapher ), PRTG (Paessler Router Traffic Grapher), SARG (Squid Analysis Report

Generator), Blue Coat’s Packet Shaper 3500, Port Scanners, Watch Guard Firebox, Symantec

SMTP Gateway, Spam Control, LAN Guard, MS AntiSpyware, Popup Stoppers, Spam Control,

Solarwinds 2001 Engineers Edition.

**Firewalls & Network Security**

**Appliances**

Juniper ISG 1000, 2000 Firewalls, Juniper Networks DX3200, DX3680 Load Balancers & Juniper

SSL-VPN SA4000/6000/6500, Juniper Networks Net Screen Security Manager, etc. Cisco PIX

501, 515E, 525 & Checkpoint NG 4, R65, R75, IDS/IPS, Sonic Wall NSA E5500 & Network

Security Appliances, Web Sense V10000, VPN (Net Screen 10X), Cisco System VPN Ver. 4.0.5,

IronPort E-Mail Security, Web Security and Security Management Appliances. IP Tables, IP

Chains (On Linux), DMZ, Firewalls Used IP Chains, IP Spoofing configured in VPN Technology.

Tunnels & VPN Groups (L2TP & PPTP), SSH, SSL, etc. Proxy Servers MS ISA Server2000, Squid

2.4, Socks 4.0/5.0, MS Proxy 2.0, Wingate 4/5.2.2, LAN Suite 2003, CC Proxy 6.0, Win proxy4/5,

Proxy+ 3.0

**Mail Servers** MS Exchange Server 5.5/2000/2003, VPOP3 1.5g, IMail Server v7.04. BlackBerry Enterprise

Server 4.0, etc. Email Applications

MS Outlook 2000/2003/2010, MS OWA, Outlook Express 5.0/6.0, Eudora 5.2/6.0.

**Antivirus Tools** McAfee Antivirus Corporate Edition 8.0, Kaspersky 6.0 McAfee Antivirus Management using

ePolicy Orchestrator, Symantec Antivirus CE 7.60/9.0, eScan 2003, MailScan 4.1 and Solo

Antivirus 4.0, Norton Antivirus 2003/2004/2005 Pro Edn.

**Languages** C, C++, HTML

**Others** MS Office 97/2000/2003/2007/2010/XP, Star Office 5.2/6.0.

**Hardware:**

**Virtualization, Clustering**

**& Replication**

**Technologies**

 Microsoft Hyper-V Server 2008 / 2012, VMware, VMware ESX/ESXi, VCENTRE,

 Windows Clustering & Load Balancing,

 Hardware Clustering thru Stratus ft Technology & Servers,

 Double Take 5.2 Replication Manager.

**Server Hardware**

**Platforms**

 Stratus Technologies Fault-Tolerant & High-Availability Cluster based ftServer Systems: 4600,

6200, 6300 & 6400 Series Servers, etc.

 IBM Blade Centres HS21/HS22 & Chassis H & E Series

 IBM X-Series Servers : 3650/3550M2/M3/M4, X306, X336, X345, X346, X3250, X3550, 226/236,

etc.

 HP Proliant Series: DL360 G6/G7, ML350 G4. ML110, ML150G2, DL100

 DELL Power Edge & Compaq Servers

**Data Storage**

**Systems/Platforms (DAS,**

**NAS, SAN):**

 Fibre Channel SAN switches: Cisco MDS (4G & 8 GB), Cisco 9148 SAN Switches, Brocade 7800 FCIP

Router, Mcdata, Brocade (Brocade Silk Worm 3200), etc.

 IBM Storwize V7000, DS 8000 Series (8100 & 8300), DS6000, DS4000 (DS 4700)/8000 Series,

FASTT, IBM SAN Volume Controller (SVC)

 Network Appliance (NetApps): F800 series, FAS 900 series, FAS 200 series, FAS 3000 series, FAS

3020, FAS 960, 3140, 3160, Data fabric Manager

 Hitachi Data Systems: Hitachi Storage Arrays (9985/9585/9980/6140), 9500, USP, USPV, Shadow

Image, True Copy, HDS HiCommand, HDS Device Manager

**ANNEXURE**

 EMC: Symmetrix V-MAX 10K Enterprise Storage with VMAX Advance Software Suite, 4 TB SRDF

Asynchronous for Replication, Symmetrix Remote Data Facility (SRDF) solution, supporting remote

replication. EMC Unisphere, Symmetrix Management Console and Symmetrix Performance

Analyzer. EMC (Symmetrix, CLARiiON, EDL, Centera, Celerra, DMX3, DMX4, CX4, CX3-10, CX3-40

Storage subsystems).

 DMX3, DMX4, CX4, EMC CLARiiON, CX3-10, CX3-40 Storage subsystems

 EMC (Symmetrix, CLARiiON, EDL, Centera, Celerra)

**Tape Libraries & Backup**

**Solutions**

 EMC Data Domain 640 (DD OS 5.2) Backup Appliance (27TB RAW De-duped Capacity, Virtual Tape

Library with EMC Data Domain Replicator). Data Access: NFS v3 over TCP, CIFS, DD Boost, Tape

Library emulation (VTL) over Fibre Channel and NDMP Tape Server. EMC Networker Unified

Backup and Recovery Software.

 IBM Tape Library TS32100 & 3200, Quantum ATL, Storagetek, HP Tape Libraries

 IBM/HP/Qunatum Ultrium 3/4/5 LTO Tape drives

 HP Storageworks DAT 72 & Ultrium 960 Tape drives

 Symantec Backup Exec 2012/2010, 12.5 & 10d

 Veritas NetBackup 5.0/Backup Exec/Veritas Volume Manager

 IBM Tivoli Storage Manager (TSM) 5.5, TapeWare7.0, Retrospect 6.0

 NTI Backup Deluxe 3.0, Windows NTBackup, etc.

**Networking Tools And**

**Components (Routers,**

**Switches & Patch Panels)**

 Cisco 2800 Series routers, Cisco 1700 SERIES (Cisco 1720),

 Cisco Routers 2600 and 3600 Series, 3725.

 MRO-TEK (PRESTIGE 600 SERIES) ZYXEL DSL ROUTERS.

 Cisco Catalyst 2960G Series Switches

 Cisco Catalyst L2 Switches: 1900XL, 2900XL.

 Cisco Catalyst L3 Switches: Catalyst 6000 series, 4750r core switches

 3Com, Cisco and D-Link Switches

 Intel 510T / 550T Switches, Nortel BayStack 425-24T Switches

 HP ProCurve 1800-24T Series Switches (10/100/1000+2)

 Nortel Ethernet Routing Switches 3510-24T Series

 D-Link DES-1024D 10/100/1000 Switches and Gigabit Switches (DES-1026G)

 D-Link Patch Panels. Managing Stackable and Non-Stackable Switches

 Worked on Managed and Unmanaged Switches. RJ45 Crimping tool

 RJ11 Crimping Tool, Molex Premise Networking Tools

 D-link, AMP and Molex Data Modules, Data Cable testers, etc.

 Tellabs (MARTISD XX STU-160) Leased line modem and

 Paradyne (3825 plus) dial-up modems

 CPD Cellular Modems for Mobile to Mobile connectivity

**EPABX Systems**

**(Electronic Private**

**Automatic Branch**

**Exchange Systems):**

 Panasonic KX-TDA 100, 200 & 500 (Hybrid IP-PBX) EPABX Systems with PRI Cards,

 Plantronics Headsets with Adapters and Dial Pads

 Intel Dialogic 12 port Analog Cards (Model: D120 JCT-LS)

 Implementing of IVR (Interactive Voice Response)

 Computer Telephony Integration (CTI) Facility, Toll Free Number service

 ISDN PRI Lines, Multiplexers (for data and voice transport), Modems & FAX

 MDF Boxes with Crone Modules

 RJ11 Crimping Tool, 50 Pair Telephone Cable.

**VOIP Gateways**  Multitech MP-104 /102 VOIP Gateways

**UPS Systems**  APC, Powerware, Emerson, Compact, Delta H Series, Maifloer, etc.