RAINMAKER
CONSULTING RESOURCES

Victor Kane
330 W. 58 St. #17F,
New York, NY 10019
281.898.3018
pro@victorkane.org

Qualifications:

Routers: *Cisco: AGS+, 700, 800,1400, 2500, 2600, 2800 3600, 3800, 4000, 4500, 7000, 7200, 7500*
Switches: *1200, 2900, 3500, 3700, 4500, 5000, 5500, 6500*
Security devices: *PIX/ASA(OS 4 - 9) , 3000 series Concentrator, Barracuda*
Wireless: *, Aironet, WLAN controllers*
Diagnostic tools: *NetScout and Cisco RMON probes, Fluke, T-Berd, Riverbed appliances*
Software: *Spectrum, OpenView, Cisco Works, Cisco Netsys, Concord, Solarwinds,Websense, Sniffer, Wireshark, TCPDump, Call Manager, Netscout, BSD, Linux, all versions of DOS and Windows, Active Directory, BIND 4.x-9.x, Apache, Sendmail, Microsoft and Unix security auditing tools, Oracle, PostgreSQL,* Arcsight
Protocols: *TCP/IP, RIP, IGRP, EIGRP, OSPF, BGP, VTP, STP, HSRP,VRRP, SNMP, IPsec, LACP, PAgP, PPP, PPTP, NDP3, MODBUS, QoS*

Technologies: *IPS/IDS, VPN, WLAN, WEP, WPA, IPSec, PCD, SEIM*
Topologies: *Ethernet, Token Ring,802.11, FDDI, CDDI, HSSI, BRI, PRI, T1, T3,Frame Relay, DSL*
rogramming languages: *Perl, Python, Tk, Unix shell, VBS, SQL, PL/SQL, PgPL/SQL*
Certifications: *MCSE NT 4.0, MCSE 2000, passed CCIE written, federal Public Trust clearance*
Education: *St. Petersburg State University (Russia), MS in Electric Engineering*
Languages spoken: *English, Russian, Spanish, Polish*

Work Experience
JP Morgan Chase*, 1111 Fannin St. Houston, TX 77002 (*https://www.jpmorganchase.com/*)* 03/15 –10/17
Sr. Cybersecurity Analyst/ Network security

- As a member of Global Cybersecurity Engineering Group designed and implemented cyber defense, network security and information control systems - often - from a loose concept through hand off to operations teams. Such as scan appliance to client authorization, firewall rules for scripts, servers, appliances and web applications. Often investigated security related concerns and problems brought up by systems owners from various LOBs. Worked together with server, desktop, VDI and vulnerability management teams assisting them in developing a process for server and image builds, host and data security, vulnerability remediation and tracking. Completed conversion of ~100 cron jobs to Autosys.
- Used Cisco Security Manager SEIM module to isolate security incidents, responded and managed remediation steps.
- Designed and developed automation systems driving Qualys engine, scan appliances and VMs globally used by the company for compliance and vulnerability scanning. Testing target nodes against tens of thousands known and continuously discovered vulnerabilities sometimes have put a stress on the target. For that reason business required granular and careful handling of 120,000 servers, 300,000 network interfaces, several global regions, different sensitivity categories, security zones, custom scans, OS and application types on single and clustered servers.

- Several types of scans – fingerprinting, discovery, vulnerability, compliance, OS, application, web, custom had to be automatically orchestrated by (developed) Perl and Python applications – launched, monitored/stopped, reported upon in case of errors to proper support personnel.
- Amounts of data generated by these (weekly) scans excluded a possibility of manual handling. Developed automation scripts
- to run near real time portal updates, reports generation, vulnerabilities tracking (rated by risk level and age) – a comprehensive visual presentation and tracking system. This data (120-150 reports) was made available on demand from the portal as well as automatically delivered in PDF format to owner LOBs via email and was used as the primary data source for remediation discussions and tracking.
- Inaccuracies and time lag within IT inventory databases spurred creation of an automated target definition data mining and verification applications that cross-referenced different sources including network devices' BGP routing tables.
- Developed applications for inventory analysis and change investigations, change of business conditions and server owners' input, health monitoring and performance polling of 70 scan appliances and VMs, job monitoring and error control, tracing host coverage cycle and exception reports, verification of validity and sweep scans of new subnets, tracing of servers lifecycle, onboarding and removal, full cycle Qualys feeding loop, exception handling, generation of post mortem reports for
- task owners, maintenance of scan history tables, Qualys accounts audit reports. Automated disabling of invalid accounts.
- These automation tasks were accomplished by ~120 Perl and Python applications communicating with Qualys infrastructure, network devices, databases (Oracle, MySQL, SQLite) and data warehouses over GET, POST/REST, Telnet, SSH, RSH, JDBC, ODBC, SFTP, SQL protocols and languages. The applications were run in batch, service and server modes.
- Developed several Perl modules and Python packages containing hundreds of routines. Applications often correlated several data sources for some records within a massive dataset to arrive at an optimal decision. Automated assignment of new countries of presence to a region based on server's longitude and latitude parameters. Developed many investigation and optimization
- tools for cybersecurity operations group.

***General Services Administration**, 1800 F St. NW, Washington, DC 20006 (*https://www.gsa.gov/*)* 12/12 –02/15
Network Engineer/VPN Team Lead
Environment: 200+ remote sites, 8 datacenters, Cisco routers and switches, 5585-x ASAs, Linux, 17,000 clients

- Lead a team of 7 VPN engineers servicing 17,000 employees and contractors of the agency. Developed strategies, standards, practices and tactical implementation directions for the team.
- Supervised and performed numerous upgrade, change and move projects of VPN AnyConnect technology used by the agency.
- Shaped policies and strategies of client VPN access subject to all mechanisms of the AAA, PKI and Two Factor Authentication to reach
- their respective trust level in compliance with FISMA standards. Developed several Perl tools to maximize the team's efficiency.
- Started and conducted weekly Knowledge Exchange meetings with the team, having seniors coach juniors, doing case studies and
- recording the findings.
- Organized creation and continuous use of VPN Wiki - repository of the group's collective knowledge and experience, working solutions and procedures.
- Started and supervised a Splunk/ASA integration project for logs collection and analysis using Splunk plugins and own code to create
- A rudimentary SEIM tool. Implemented a multi-cluster syslog server for VPN devices. Investigated numerous "degradation" calls from clients, which - analyzed - led to many breakthrough discoveries for voice, security, Adobe and Webex teams empowering them to polish their service offerings.

- Closely worked with the compliance team and their federal auditors, structured group's work to best suite their requests as well
- expectations of the group's clients. Lead a collaboration effort between Security, Network, VPN and User Support groups to streamline
- and standardize triaging, routing and handling of help desk tickets. Supervised and participated in VPN client upgrade project
- complementing the work of desktop management group and their tools with newly developed Perl scripts.
- Successfully defended team's projects at bi-weekly CCB meetings attended by 200+ participants including GSA directors and contract
- mangers. Reported and contributed to daily planning meetings with three GSA directors and two sister (remote access) groups in attendance.
- Engineered and supervised many one-off and custom request projects from fellow GSA groups as well as outside entities including
- groups directly working for the President's office. On the President's request the Administrator positioned GSA as an IT technology
- leader among federal agencies; in that venue a number of projects completed by the group were followed up by knowledge transfer
- meetings with representatives of DOD, DHS, DOJ and others, as well as, subsequent, support calls.
- Served in the capacity of a reserve and the last resort senior engineer of the group. Maintained and regulated all relations with outside
- contractors and vendors relevant to VPN services.

***Calpine**, 717 Texas Ave. Houston, TX 77002 (www.calpine.com)* 10/11 –9/12

Sr. Network Engineer/Trade Floor Technical Analyst

=> **Environment:** 100+ remote sites, 4 datacenters, Cisco routers, switches, ASA, Riverbed Steelhead appliances, Unix,Linux.

- Served as a top level escalation engineer in a technical investigative capacity of the trade floor technology, handling exclusively
- tasks that could not be resolved by any other technical resource of the company. Those often spanned responsibility and authority of
- several groups and departments. Given utmost importance of issues at hand, significant cost implications and sweeping scope of
- projects under direct control was granted broad authority exceeding that of peers and many executives. Often had to work with and/or
- report to managers up to four levels above own, including CIO.
- Throughout entire tenure defined own projects, tasks and schedules morphing end solutions from very broad and loosely defined
- concepts. Devised own investigative strategies and advised executives of solution options.
- Within weeks ended years old finger pointing conflict between three departments - Telemetry, EMS (Energy Management Systems)
- and Network. Packets capture and analysis revealed the root cause of poor quality telemetry data. End result allowed Calpine save major
- fines previously imposed on the company by regulating authorities. Soft dollar gains brought by interdepartmental peace remain a subject
- to an assessment methodology. In the process had to coach and mentor peers from own and parallel teams on adjacent technologies.
- Technical aspect of the project involved Harris and Telvent SCADA units, Unix and Linux EMS servers running Monarch
- software, RTUs, buffering M/Cs and routers, eDNA and PI servers, SCADA firewalls, PCD security, Riverbed appliances, queuing and
- QoS strategies spanning owned Cisco devices and a carrier's MPLS network. Project demanded end-to-end data messaging analysis,

- from power generators meters, MODBUS and RTUs to EMS and the network in-between. DNP3 protocol messages from captured traces mapped to carrying TCP packets revealed the answer sought by parties involved on numerous occasions.
- Ran comprehensive analysis of ICE traders' technology baseline and a project of major updates and changes. The project's holistic
- approach encompassed a trader's workstation, data delivery, collaboration with the exchange support, improving
- speed of market data delivery, data scrubbing, timely presentation and overall application performance. Readily quantifiable result reported
- by energy traders stood at $4 million of eliminated monthly losses.
- Within the scope of trade floor technology advised in-house Microsoft server team as well as engineers of Xerox - Calpine's
- IT outsourcing partner.
- Completely redesigned one of Calpine's DR sites to include double Internet redundancy for the site as well as the rest of the global
- network, triple redundancy for MPLS access via leased DS3, T1 and VPN fallback. Matched QoS and queuing policies with that of
- headquarters and power plants.
- Along with company's other senior network engineers pioneered global network redesign project to reduce costs of MPLS
- network and leverage advantages of self managed point-to-point regional mash based on Cisco routers running BGP and OSPF
- protocols.
- Initiated a company wide project of power plant network redesign. The project changed a plant PCD network security paradigm from
- complete isolation and/or simple port buffering to multi-zone firewall with discretionary access to allow central management in
- compliance with the industry regulations. Among other benefits the project eliminated a need for 200 PI servers along with associated
- H/W, S/W and maintenance costs.

Velocity Futures, *1220 Augusta Dr. Houston, TX 77057 (www.velocityfutures.com)* 5/09 – 9/11

Network/Security Engineer

=> **Environment:** 8 location, 23 ASA appliances, 40 Cisco routers and switches, Novell Open Linux, PostgreSQL.

- Redesigned entire corporate network bringing it to enterprise level standards. Introduced BGP instead of long distance OSPF.
- Renumbered large parts of the network to facilitate effective summarization and redistribution. Replaced several dissimilar client VPN
- solutions with a single ASA/RADIUS architecture, central administration and AD/RADIUS authentication.
- As the only network engineer - fully responsible for the network operation, security, provisioning and maintenance
- . Successfully managed all tasks without access to Cisco TAC, often taking a major project from a loose concept to reality.
- Periodically ran security audits and break in tests. Installed, and administered Cisco Access Control Server. Designed, lab tested and implemented firewall rules including IDS.
- Replaced a mesh of low density switches with a redundant pair of Catalyst 6509 devices at corporate headquarters. Developed
- IP addressing schema, VLAN routing and security segregation between business units.

- Solved complex problems and developed innovative solutions with OSPF, BGP, EIGRP, policies, object tracking, server load balancing,
- path redundancy over VPN, fast, selective failover for multiple classes combined with QoS, directed by policies and dependent upon many
- input conditions, effectively - meta policies that span functions of several devices.
- Lead a project of moving company's main data center to a new collocation facility, selected products and negotiated costs. Developed
- and implemented a distributed replicating syslog solution based on Postgresql and syslog-ng. Configured and managed RANCID.
- Administered numerous Linux servers and applications they ran. Developed several Perl utilities widely used by peers and customers.
- Configured Netflow reporting facilities for critical devices.
- Practicing architectural vision, conceptualized and experimented with traditional and alternative approaches, created models and
- components to ensure that the resulting design aligns with technical constrains and business demands.
- After researching the company's trading environment came out with a redesign recommendations that moved the company's rating
- from #49 to #17 US broker within a year as a result of their deployment.
- Worked with peers at exchanges, clearing houses and other third party organizations to provide seamless connectivity solutions.
- Negotiated service and sales contracts with vendors and carriers. Performed daily administration of Cisco Call Manager

Exterran, *1666 Northchase Dr. Houston, TX 77060 (*www.exterran.com/*)* 2/07 – 11/08
Sr. Network Engineer=> **Environment:** 180 location in 30+ countries, 3 datacenters 35 PIX/ASA appliances, 15 3000-series VPN concentrators, 400+ Cisco routers and switches, Novell Open Linux, PostgreSQL.

- Led networks consolidation project for two merging companies (Universal Compression and Hanover Compression) that
- required to step into a managerial capacity numerous times throughout the tenure. This multifaceted, year long effort was comprised
- of several sub-projects, such as removal of redundant capacity, merger of remote sites and datacenters, identifying and resolving IP
- conflicts, renumbering some segments and networks, architectural review and subsequent redesign of several sites.
- Architected a new enterprise IP schema to facilitate route summarization at every level, planned and supervised its
- implementation. Reconfigured numerous routers and multilayer switches to take advantage of route summarization in BGP and
- EIGRP environments. Supplemented multi-device projects with Perl scripting automation. Installed, configured and administered
- IPPlan application.
- Led a 45-site Frame Relay MPLS migration project, interfacing and coordinating with vendors, carriers and internal
- resources – both technical and logistic. Architected EIGRP, eBGP and iBGP solutions for the new MPLS network with
- customer-carrier and inter-carrier BGP peering across firewalls, policy based routing, traffic shaping.
- Charged with architectural oversight of enterprise-wide security technology, perimeter and internal network security polices,
- their implementation and enforcement.
- Came out with the initiative and architected compartmentalization of global corporate network with inter-region firewalls.

- Configured, administered and troubleshoot PIX/ASA firewalls, IPSec VPN tunnels between PIX/ASA, 3000 series concentrators
- and Cisco routers satisfying a multitude of business requirements in light of continuous acquisitions and integration of new
- networks. Configured client VPN access integrated with RADIUS/AD authentication on PIX/ASA and 3000 series concentrators.
- Installed and configured AIP-SSM modules. Periodically reviewed security policies on perimeter devices, implemented changes
- and upgrades. Routinely ran test "break-ins" and security audits. Conducted research on security and performance impact of new
- solutions proposed by various vendors. Installed, upgraded and configured Cisco Access Control Server. Oversaw global
- implementation of port security project to mitigate unauthorized use of wireless devices.
- Worked with peers and ATT engineers on post-merger network consolidation of the two companies that were both ATT
- customers. Configured and troubleshoot BGP and EIGRP routing across multiple locations and MPLS clouds.
- Migrated Canadian and Asian branches from static route environments to BGP peering with Telus and Pacnet respectively.
- Architected auto failover arrangement to self-managed VPN, addressing single point of failure of inter-carrier (inter-region) links.
- Completed global Websense deployment with 7 servers in hub sites around the world integrated with PIX/ASA firewalls.
- Wrote Syslog Reporter – a Perl, CGI application. Integrating full power of regular expressions with simplicity of web interface
- facilitated a very efficient means of querying the backend (PostgreSQL) syslog database. Combining ACS TACACS
- authorization features with syslog reporting brought about a possibility to audit configuration commands run on any Cisco device
- across organization and real time alerting.

***Coach America, Inc.**, 950 McCarty Dr. Houston, TX 77029* 11/04 – 11/06
Sr. Network Engineer

=> **Environment:** 15 locations, Cisco routers and switches, PIXes and VPN concentrators, Windows 2003/XP Linux, AIX, MS-SQL, PostgreSQL.

- As the company's technical lead planned development of IT infrastructure at every scale of the view. Prepared presentations
- for the company's top management to support discussion/approval process of major IT changes.
- Evaluated and developed long-term plans and requirements for systems operations, security and efficient administration of
- the organization's IT structure. Prepared technical documentation and created implementation plans for new and updated systems.
- Developed, implemented and supported efficient administration practices, security and control standards. Diagnosed impending
- shortcomings, crafted solutions, supervised and performed their implementation.
- Provided top level support for help desk personnel. Responsible for user accounts administration and performance monitoring
- of IT systems and resources.
- Provided direction and technical leadership in design, implementation, update, and administration of the company's IT
- structure: security policies, LAN switching, VTP and STP configuration, EIGRP and BGP routing between 15 sites; several VPN
- tunnels (PIX-to-PIX as well as PIX-to-3000 series), integration of new sites and services. Handled configuration and escalated

- issues of remote VPN access to PIX as well as 3000 concentrators, rolled out Active Directory integrated RADIUS authentication
- of VPN users.
- Led and supervised rollout of PIX-integrated Websense URL filtering. Set up PIX intrusion detection and security events
- monitoring company wide. Administered AIX server running accounting application. Administered Enterprise Redhat Linux AS4
- servers running Oracle ERP applications Configured EIGRP VLAN routing on 3750 and 6500 multi-layer switches.
- Introduced live mirroring of remote volumes over slow and unreliable VPN connections to resolve an issue of poor quality
- backups. Leveraging inexpensive Internet uplinks at branch offices allowed consolidation of company-wide data backup in
- corporate office as well as 100% error-free backup jobs. Developed distributed Perl application (running as a native Windows
- service) - to complement mirroring software - that controlled this process and provided reporting facilities.
- Deployed Microsoft Active Synch facilitating secure VPN connection of mobile devices to corporate Exchange 2003
- servers in real time. Monitored and modified as needed Group Policy Objects of corporate Active Directory. Manage and
- troubleshoot 15-site Exchange 2003 organization. Complemented existing Microsoft tools with newly developed Perl and VBS
- utilities to handle otherwise tedious, time consuming tasks like bulk changes and moves of Active Directory objects.
- Consolidated numerous logon scripts into a single one for the entire user base written in VBS. LDAP queries of Active
- Directory was the core decision making aspect of its logic.
- Developed a Perl application to monitor data room environment – power and ambient temperature. This facilitated means of
- notifying IT personnel and/or graceful shutdown of Windows, AIX and Linux servers in case of power loss or A/C failure. Great
- number of optional parameters allowed complete flexibility in choosing the resulting action given SNMP values retrieved from
- Symmetra UPS.
- Developed Perl application perpetually searching corporate networks for hosts lacking a running instance of antivirus
- software. The application was equipped with database logging (to Postgresql) and ODBC reporting interface.
- Wrote Perl Windows service application to take advantage of Symantec's (sometimes) hourly virus updates, highly
- configurable, equipped with logging and email reporting.
- Set up Cisco Aironet 1200 Access Point devices with multiple SSIDs each mapped to their respective VLAN for different
- levels of security clearance.
- Configured and maintained Solarwinds Orion maps, monitoring and syslog. Setup central syslog server on Redhat AS 4 with
- syslog-ng daemon logging to Postgresql database with row triggers firing email alerts on a given regular expression match.
- Developed Config Version Control (CVC) - a Perl/Postgresql application automatically retrieving and saving configurations
- of network devices on every change.
- Configured and managed logical volumes and groups on CLARiiON CX500 SAN from within Enterprise Linux systems.

- Setup and maintained virtual servers in Vmware ESX 2.5. Administered Barracuda spam filter appliance.

***International Council For Quality Care**, 7601 N. Federal Hwy., Boca Raton, FL 33487 (www.icqc.org)* 4/03 – 10/04

Sr. Network Engineer

- Managed a team of programmers working on a variety of projects, wrote technical RFPs for partial outsourcing of projects to
- India and Russia. Managed projects' budgets, developed and coordinated deliverables and their integration into a final product.
- Reviewed code and tested its functionality. Wrote manuals and white papers to accompany software products. Maintained Windows
- 2000 domain, Exchange 2000 server, Citrix Metaframe XP server, company's websites, backup procedures.
- Developed and implemented data safety/availability strategies and procedures, wrote numerous scripts and small automation
- programs. Integrated Samba file server into Windows 2000 domain. Built a firewall, IDS and VPN gateway on Cisco 3620 router.
- Managed Active Directory and developed Group Policy Objects to create a self-policing environment finely tuned to
- company's business processes. Maintained configurations of several PIXes connecting to vendors and clients networks.
- Initiated and worked on a series of cost reduction projects – ISPs' services, voice communications, equipment lease and
- service agreements.
- Completely revamped company's network, flattened LAN topology to a single switch, moved servers to 1GB ports, added
- failover redundancy to the Internet uplink while cutting its cost by 60%. Developed and maintained data and site security policies
- and provisions according to management directions.

***Haven Capital Management**, 655 Third Ave. New York, NY 10017 (www.havencapital.com)* 11/01 – 3/03

Sr. Network Engineer

- Recommended and implemented overall IT policies and procedures, supervised external IT consultants and vendors.
- Maintained network and data security, emergency preparedness, security risk assessments, IT audits, day to day IT functions.
- Designed and implemented Firewall/VPN/IDS solution running on Cisco 3620 router. Migrated messaging systems from
- TFS mail to MS Exchange 5.5, later – to Exchange 2000 and subsequently – to Exchange 2003 . Planned and managed IP
- translation and addressing schema. Rolled out Linux/BIND DNS solution. Maintained two extranet demarking PIX firewalls.
- Migrated NT 4.0 Domain to Windows 2000 and later – to Windows 2003. Built and maintained Red Hat Advanced
- Server/Samba file server integrated into Windows Active Directory Domain.
- Developed VBS scripts to query and manipulate Active Directory objects for a wide variety of tasks such as bulk changes
- (user accounts migration or consolidation), intelligent/interactive logon scripts, hardware/software analysis/inventory.
- Developed Oracle/Cold Fusion Web application on SuSE Linux platform for managing trading records information
- complete with visual SQL query builder, stored query management, 4-tier user management, record edit history, user session
- management, import/export and archival modules. JavaScript and CFML-generated Dynamic SQL, triggers and stored procedures

- were all heavily utilized.

- Developed SMTP server monitoring application that delivered several levels of alarms and current network/application
- statistics to a mobile phone. The application can be controlled – should the need be – from predefined mobile phone(s) and/or email
- address(es).

Developed shell script application monitoring and logging utilization of WAN connections and VPN sessions. Setup market
data feeds (ILX, Bloomberg, Bridge) along with necessary routing and firewall configurations.

***Netik**, 40 Fulton St. New York NY 10038 (https://www.netiksolutions.com)* 8/00 – 11/01

Sr. Network Engineer

- Provided Netik management with strategic decision support on IT related issues, acted in managerial capacity on a number of
- projects, planed and oversaw network changes. Supplied Netik management with written justification for every proposed change or development of the IT infrastructure often having to compete with an alternative proposal from corporate office in London. Solutions
- proposed won over in every single instance as better technically designed, more economical and elegant. Documented and supervised
- these changes as they were implemented.
- Held weekly teleconference with Netik CTO discussing corporate IT strategies and procedures. Led a negotiations team that
- managed to get Netik out of very unfavorable telecom voice and data services agreement.
- Managed outside vendors and internal technical team of 5 to ensure no-down-time, smooth transition to the new voice and data
- service providers.
- Designed company's global network connecting four international sites via Cisco VPN. Designed global BGP, EIGRP and VPN deployment standards in the environment of rapid growth, continuous acquisitions and ongoing integration of acquired networks
- into existing infrastructure.
- Designed New York site's LAN switching solution based on Cisco 3500 switches. Built multi-server Exchange site integrated
- into global Exchange environment. Lead global deployment of site-to-site as well as client access VPN solution based on Cisco IOS
- and SafeNet VPN client. Setup IOS firewalls and IDS at several locations.
- Led deployment and administration of an array of Linux servers integrated into NT/Win2000 mixed mode multi-domain
- environment performing file, mail, HTTP and DHCP services utilizing Samba, Sendmail, Apache and dhcpd respectively.
- Sendmail server was configured as an SMTP gateway into global corporate Exchange address space.
- Migrated NT/Win2000 mixed mode domain to native Active Directory domain. Developed Perl script running LDAP queries
- to map Active Directory security principals to Linux accounts.
- Applied innovative approach to Netik's global mail routing – Linux/BIND 9.1 DNS Server configured with Split Zone served
- geographically local MX records to European, Asian and American mail senders for netik.com domain. Localizing incoming
- mail delivery into Exchange Transport environment eliminated back haul and single point of failure issues experienced by
- the company earlier.

- Developed multithreaded, asynchronous Perl application that shut down Windows and/or Unix/Linux servers when
- preconfigured rules' conditions were met given combination of various SNMP values read from a UPS unit.
- Developed shell script application monitoring and logging top WAN users resolved down to NetBIOS and/or host names.
- Developed Oracle server deployment strategies for the company's clients and programmers.
- Rolled out several test/development as well as production Oracle servers (8 – 9i) on Linux and NT/2000 platforms.
- Managed numerous requirements for multiple Oracle databases as well as ongoing daily maintenance and administration - hot and
- cold backup, management of user accounts and schemas, tablespace allocation, auditing, tuning of SGA and rollback segments,
- NET8 setup and troubleshooting. Assisted developers in tuning SQL and PL/SQL code.
- Supervised and trained 5 support engineers. Served as a second and third tier IT engineering resource – at regional and global
- levels respectively. Conducted several Cisco training courses for UK and US IT staff.

***Credit Suisse/First Boston**, 11 Madison Ave. New York, NY 10010 (*http://www.csfb.com*)* 8/95 – 8/00

Global Network Services Group

Network Analyst

=> **Environment:** ***Local*** **-** 70+ Cisco routers, 200+ Catalyst switches, 50+ FDDI concentrators, 8000 nodes.
Remote **-** 33 LANs in 25 countries, most controlled from New York.

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- Performed 2-nd level network operations support on every day basis. Analyzed LAN/WAN traffic traversing diverse
- topologies, devices and application stacks, compiling statistics and troubleshooting particular issues such as routing and bridging
- loops, missing routes, broadcast storms. Configured and troubleshoot EIGRP,BGP and RIP routing as well as VTP and STP
- switching protocols.
- Setup, configured, upgraded and diagnosed Cisco network devices - Catalyst switches, FDDI concentrators and routers.
- Setup and maintain VLAN configurations across multiple Catalyst 5000/5500 switches running STP and VTP from core and
- distribution down to access layers.
- Successfully completed a solo project of upgrading RAM and IOS in 100 Catalysts and 40 Cisco routers. Worked in a project
- team designing and implementing a 3-tier distributed network monitoring and diagnostic system, consisting of NetScout and Cisco
- (RMON/RMON2) probes for collection and repository of statistics information, Concord's Network Health for logic processing and
- extraction , and generated html documents for presentation. After the project turned out to be a successful working solution it was
- approved by management as a deployment prototype for the bank's other sites internationally.
- Worked in a project team designing a "charge back" accounting solution for North American Business Units of the bank
- based on Network Accountant module of Concord suite and meant to utilize information extracted by the systems of the project
- mentioned above and NetID queries for identification.
- Member of design and implementation team of an extra redundant network built for side-band management consolidation,
- throughout the entire LAN at 11 Madison Ave., as a single network at layer 3 and crossing 110 Catalysts at MAC layer,

- interconnected via fiber media throughout all 24 floors of the building, trunked within a single VLAN and combined into a Spanning
- Tree pair at each closet.

***Canadian Imperial Bank of Commerce**, 425 Lexington Ave. New York, NY (*http://www.cibcwg.com*)* 10/93 - 8/95

Systems analyst.

=> Environment: 3,000+ user nodes, 150+ servers, LAN/WAN, multi-domain NT, NetWare, Solaris

- Administered a number of NT Domains spanning multiple WAN lines and firewalls to serve the users geographically scattered
- over six different locations - user accounts, system policies, access permission settings on shared resources.
- Led testing and deployment of Netscape Calendar Server to assist managers in coordinating workgroups and planning
- resources.
- Set up a multi-port ISDN dial-in server on NT RAS, integrated with Security Dynamics' ACE Servers and SecurID Cards authentication.
- Performed trading floor support: TCP/IP, JetDirect, PC NICs troubleshooting, cc:Mail connections and related issues,
- Internet connectivity and firewall clearance. Systems' analysis - specifically on NT platform - ranging from simple memory and
- environment settings to subjects as involved as registry editing, trimming of apps' memory heaps or setting API hooks and
- tracing failed page faults at a process and thread level to pinpoint conflicting applications on traders' workstations.

***Bankers Trust Corp. -** 130 Liberty St. New York, NY (*http://www.bankerstrust.com*)* 7/91 - 10/93

Trade floor support engineer.

=> Environment: 5,000+ users, 300+ servers on a worldwide WAN. Multi-domain NT, NetWare.

- Within a Trading floor support team of 14 supported approximately 3,000 local users, resolving applications and memory
- conflicts, hardware troubleshooting, network connectivity issues, security enforcement, TCP/IP over LAN and WAN
- troubleshooting, sometimes involving international collaboration between system administrators.
- Trained users on Internet related topics: mail, attachments, formats, protocols, searching techniques, as well as business
- productivity applications.
- Managed a solo project of connecting 60 Windows 3.1 and NT clients scattered over different IP subnets to the Internet
- Gateway in a static IP environment. FTP Software package was used to run TCP/IP stack on Windows 3.1 machines.
- Led a series of NT roll out projects - complete implementation lifecycle. Setup domains, workgroups and user accounts,
- assigned rights and permissions for shared resources in a multi-domain multi-trust environment.
- Planed and configured IP subneting, diagnosed NT Workstation and Server software conflicts and analyzed system statistics
- for performance optimization. Contributed to producing and enforcement of security policies.

- Administered department's NT servers and MS-Access databases. Performed numerous migrations from Windows 3.1 to
- NT.

Education

1983 – 1988 St. Petersburg State University (Russia), full time 5-year course in Electrical Engineering (MS equivalent in the US).