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SUMMARY: Hands on IT Director & Network Infrastructure Manager with over 13 years experience planning, engineering, and managing Networks, Servers, Desktops, IT Architecture, Data Security and Telecommunications in various industries. Known as an analytical, creative problem solver. Extensive experience designing and sizing solutions for process improvement, increasing core business productivity and aligning IT to the business. Extensive IT Operations Management, Engineering Management and Project Management experience.

TECHNICAL

COMPETENCIES:

IT Director

- IT Strategy Preparation and Alignment
- Data Center Architecture and Planning
- Excellent People Management Skills
- Strong Presentation Skills
- Solid Teambuilding Skills
- SAP, ERP, CRM & EAI Implementations
- Six Sigma Lean

Network & Infrastructure Management

- Performance Monitoring & Tuning
- Network & Server Troubleshooting
- DR – BC Analysis, Plans and Testing
- SAN, NAS & DAS storage planning

Project Manager

- Full Project Life Cycle Implementation
- System Development Life Cycle (SDLC)

IT Architect

- Network, Application & Database design
- Server Consolidation and SQL Up-sizing
- Microsoft Systems Architecture (MSA)
- WSSRA, MOF and ITIL blueprints

Internet & Security

- Web and E-commerce site development
- Firewall, DMZ, IDS, FTP, & SMTP
- Web Apps & Portal Implementations
- Internet & Wireless Vulnerability Mgmt

**PROFESSIONAL
EXPERIENCE:**

Unisys Corporation

Enterprise Architect

2003 - present

Senior Enterprise Architect:

- Enterprise Architect for Unisys consulting clients. Some of these clients include a NYC Financial Services, Insurance companies, Retail chains, & NYC public sector.
- Create IT Strategy: Analyze current state of IT; Design an IT Blueprint; Integrate High Availability and Disaster Recovery; Implement SAN and NAS storage; Improve systems management using ITIL & MOF; Deliver PowerPoint presentations to executives
- Enterprise Architect for a major consumer Electronics Company. Designed an IT Blueprint based on the Microsoft MSA Reference Architecture. Other recommendations included: Systems Management Tools, remote Desktop Management and a new DR strategy
- IT Strategist for an Enterprise Architecture review for a large NYC Department. This strategic study analyzed the current-state IT infrastructure and defined a future-state IT infrastructure based on the Microsoft WSSRA. Designed AD & SMS to manage desktops
- Enterprise Architect for several Disaster Recovery – Business Continuity assignments Performed DR Risk Assessment, Business Impact Analysis & created SMARC tables
- Enterprise Architect for financial firm looking to improve High Availability systems. Goal achieved via implementation of 30 mile Stretch Cluster.
- Performed Sarbanes Oxley audits for corporate IT organizations
- Enterprise Architect for implementation of secure wireless LAN and RFID system
- Teach IT Managers the concept of Continuous Improvement and constant IT Metrics
- Scaled-up SQL Server using 16 processor 64-bit, and 32 processor Windows Datacenter
- Active Directory design and implementation project engineer for Unisys' clients
- Managed Engineering teams, System Test Lab design, Dev, QA testing environments

K. HOVNANIAN ENTERPRISES, Red Bank, NJ

1999 - 2003

Director of IS Architecture and Infrastructure

Responsible for all technology deployments for in a \$3.1 billion Fortune 1000 corporation. Managed IT resources across 90+ networked sites. Directly responsible for all IT Architecture planning, the Engineering team, Network Infrastructure, and IT Operations including LAN services, Helpdesk, SAP Basis, Mortgage & Telecom Teams. Supervised 28 employees.

IT Management:

- Created and managed separate budgets for Network, SAP Basis, Mortgage, and Telecom. Total budgetary responsibility was approximately 5 million dollars annually
- Created a three year IT Strategy plan that took into account areas where the business units had planned to grow, and managed the tactical IT Infrastructure and Security projects to align with the IT Strategy. "Look at the Strategic to understand the Tactical"
- Implemented continuous improvement concepts in each of my teams.
- Required each team to post monthly metrics on team based goals in order to measure progress and to create a common relevance to the improvements inside the teams
- Extensive experience developing Full Project Life Cycle projects from discovery through implementation. Standardized the IT Department's project plan methodology
- Standardized the company desktops to Windows XP w/ Office XP. Pushed patches, updates, and new applications through to the desktops remotely with MS SMS
- Systematically incorporated High Availability systems, clusters, and fail over options
- Negotiated national contracts with Telecom, Disaster Recovery and Off-Site Tape Storage vendors enabling the IS Department to standardize the company's DR recovery process across divisions leveraging volume discounts; Organized DR tests across company
- Successfully analyzed and implemented selective and very specific IT out-sourcing arrangements to reduce overall IT costs.
- Utilized pre-employment testing for potential new hires to improve quality & alignment
- Implemented Sarbanes-Oxley compliance measures.

Network Management:

- Managed enterprise wide network consisting of 5000+ nodes, 150+ servers (Windows 2003 {including clustered Advanced Servers}, Windows NT, AS400, DEC Vax , Linux and RS6000 AIX systems) in six separate data centers connecting 90+ WAN sites
- Implemented two Cisco Core Switches (6500) at the corporate headquarters to improve application performance and eliminate network data loss. Associates were experiencing high application latency and data loss corrected by the upgraded switches
- Implemented Network Management solutions that included: HP OpenView, Heriox's EQ Server Monitoring and Cisco CWSI Monitoring. Utilized Network Associates Sniffer to troubleshoot application and connectivity issues. Along with SMS, these monitoring tools enabled a small team to proactively monitor and repair remote network/server hardware
- Redesigned WAN Infrastructure in 2000 to streamline structure. The WAN had been a heterogeneous mix of separate Frame Relay clouds and three vendors' point to point links. The new WAN infrastructure is a single Vendor Frame Relay cloud. This change increased throughput to remote offices by 5 times while reducing telecom costs by over 20%
- Re-Sourced data network in 2002 to take advantage of aggressive competition to improve network performance while cutting data line costs by over 35% (\$57k to \$42k per month)
- Analyzed telecom expenditures in several regional offices. Redesigned the telecom services, line types and LD providers to save \$250,000 per year in telecom expenses.
- Created detailed Systems Architecture documentation to enable all departments to understand the interaction of applications, data and Infrastructure on various platforms
- Aggressively integrated secure VPN appliances to create site-to-site VPN's for smaller remote sites to take advantage of low cost broadband Internet access versus Frame Relay

IT Security:

- Implemented CheckPoint VPN-1/FireWall-1 on both hardened windows servers and on Nokia appliances. Managed all devices centrally from CheckPoint Management console.
- Implemented Dragon Intrusion Detection Sensor (IDS) at corporate office.
- Planned and implemented a comprehensive, integrated & auto-updating Anti-Virus solution using McAfee on desktops and file servers, Trend's ScanMail on the Exchange servers and Sophos on the SMTP gateway.
- Led the cross functional team that designed the SAP Security groups, Transaction Codes, Profile Generator and the standard and non-standard authorization processes.
- Created a checklist of Daily, Weekly and Monthly security tasks that needed to be completed and documented by various teams including Basis, Network, and LAN services
- Performed regular security audits on both the internal and external company network to ensure security. These audits included port scans, known vulnerability scans, operating system scans, Portals, Exchange and SQL Server logs and settings.
- Adopted enterprise wide best practices policies and implemented procedures to incorporate and standardize OS security settings and audit logs.
- Implemented automated log tracking scripts to alert to high interest incidents.

Portals, E-Commerce & Web implementation:

- Designed E-Commerce infrastructure utilizing Microsoft MSIB including MS Content Manager Server, Commerce Server, Application Center, SQL Server 2000, on two Global Load-Balanced web server: <http://www.khov.com>; and for the Mortgage Company's online E-Commerce Web Application at: <https://Mortgage.khov.com>
- Designed and implemented the company's first Internet connection. This design included a Checkpoint Firewall w/ DMZ, Intrusion Detection Sensor, MailSweeper SMTP gateway, Web Server w/ SSL, FTP Server, Sophos Antivirus, and Trend Content Filter & Antivirus <http://WebMail.khov.com>, <ftp://CorpFTP.khov.com>, <http://Pilot.khov.com:8080>, <https://Mortgage.khov.com>
- Implemented a Citrix Secure Gateway Application Portal to allow access to the corporate network across the Internet over secure SSL connections to a load balanced server farm. This increased associate productivity by allowing associates fast terminal server access to company applications from any Internet connected PC <http://Remote.khov.com>
- Worked on Microsoft MSIB and Project Jupiter beta release.
- Troubleshot SAP ERP implementation issues by testing the SAP VC module on two different OS and Database platform combinations to determine the cause of a performance problem. Determined that the SAP application code was the culprit.
- Installed Red Hat Linux w/ Apache as web servers to cut web server licensing costs. Configured TomCat Servlet application servers to run web enabled ERP application.
- Utilized MS BizTalk Server as part of an Enterprise Application Integration (EAI) project to transform data from disparate applications, databases and web sites into XML.

Application Development:

- Designed standards for the company's SAP ERP roll-out to remote sites, including Portal access for company vendors and partners. Designed data flow requirements for integration
- Managed Application Development team working on SAP ABAP applications & security.
- Wrote many company Policies and Procedures for IT, including the Internet Use Policy
- Implemented Mercury WinRunner and LoadRunner for application QA testing.
- Managed development team that developed Internet, intranet and eCommerce site development using .NET, J2EE and Servlets.
- Maintained Financial Trading Desk for Mortgage Company with Reuters
- Built the company's first **QA Test Lab**. Incorporated Red Hat Linux Servers, Windows Servers, SQL Server, Cisco Routers, Checkpoint FW, Citrix MetaFrame XP, SAP, Mercury WinRunner and LoadRunner. Tested all new applications prior to deployment

Back Office implementations:

- Designed and implemented MS SMS Server with MS SQL Server 2000 to deploy applications remotely, remote control PC's and perform PC SW/HW inventories. Utilized MS MOM to monitor SMS and SQL Server.
- Implemented Windows 2000 Advanced Server with SQL Server 2000 Enterprise Edition to configure a failover cluster for SAP 4.6c database and Integra Mortgage database.
- Installed and administered ADP HRizon payroll server and Integra mortgage underwriting system both running on MS SQL Server.
- Upgraded Oracle Financial Modeling System (FMS). Upgraded this Financial Planning system to Oracle 9i and then rolled-out across the country to all company controllers.
- Created Active Directory tree structure and project plan to implement AD.
- Integrated three separate financial databases into one multidimensional data warehouse.
- Implemented a fiber backplane for SAN/NAS access and Tape Library backups. This helped to cut the backup window on critical financial modeling systems database.
- Designed Mail and Messaging infrastructure including Internet Gateway, Spam filters, Anti-virus technology and application connectors, IM and RIM Blackberry.
- Migrated the entire company from Blackberry to Good's GoodLink Server.
- Implemented HP StorageWorks SAN for ERP and Exchange

AMERADA HESS CORPORATION, Woodbridge, NJ

1996 - 1999

Network Engineer

- Lead Architect on the Corporate Engineering team.
- Lead Architect for a Microsoft SMS Server solution to distribute software upgrades and perform remote troubleshooting to 40+ remote oil terminals. This system was used to upgrade SQL Server, apply service packs, upgrade a Terminal Management application, and to Remote Control remote servers. This system allowed Server upgrades to be performed remotely, thereby reducing the implementation time and travel costs.
- Lead Architect for the IT systems at the companies 600+ retail locations, including the establishment of standards for the LAN, standard configurations for the POS machines, and for the back office functions.
- Created a new master hard drive PC image. Utilized the SMS server to push out new applications and patches through the enterprise desktops.
- Maintained Commodities Trading floor environment with Reuters and NYMEX
- Project Manager for the Novell to NT conversion
- SQL Server DBA for 15 Gb Retail database, SMS DB and Secondary DBA for 60+ SQL Server databases in a Bi-Directional Merge Replication model.
- Deployed Email and Web data services to the company's retail locations.
- Supported Novell, Windows, SQL Server, Oracle, Borland InterBase, AIX & Mainframe
- Worked on first Amerada Hess DR plan and testing at Comdisco

NTD – Bell Atlantic Yellow Pages, Somerset, NJ

1994 - 1996

Senior Analyst

- Lead Architect for new Accounting Systems. Designed and implemented the new system in parallel with the existing system, and then the replacement of the original Accounting System run on an IBM System 36 and AS400 with a Windows NT- SQL Server version.
- Systems administrator for IBM System 36, AS400 and Windows NT servers.
- Project Manager for the conversion from the IBM System 36 and AS400 servers to the Windows NT Client-Server Accounting Solution using Platinum SQL NT front end and MS SQL Server back end. Supervised 18 employees & consultants on this project.
- Integrated Microsoft SQL Server and Windows NT Server into existing VAX Network.
- Supported Windows NT, IBM System36, AS400, and DEC Vax systems.

EDUCATION: **New York University**
Bachelor of Science, Finance,
College of Business and Public Administration

CERTIFICATIONS: **MCSE** - Microsoft Certified Systems Engineer, Windows NT, August 1997
MCSE - Microsoft Certified Systems Engineer, Windows 2000, February 2002
CCNA - Certified Cisco Network Administrator, August, 2000
MCDBA - Microsoft Certified Database Administrator, in progress, 4 out of 5 exams complete

TECHNICAL TRAINING:

- Implementing & Supporting Microsoft Windows NT Server
- Implementing & Supporting Microsoft Exchange Server
- Implementing & Supporting Microsoft Systems Management Server
- Implementing & Supporting Microsoft Windows NT Workstation
- System Administration for Microsoft SQL Server
- Linux Engineering/Administration Course (SUSE SLES9 and Red Hat RHEL4)
- Novell NetWare Administration
- Fundamentals of AIX
- Implementing & Supporting XcelleNet RemoteWare Server
- Designing a Directory Services Infrastructure for Microsoft Windows 2000
- Citrix MetaFrame Administration
- Cisco ICND – Introduction to Cisco Networking Devices
- Cisco ACRC – Advanced Cisco Router Configuration
- SAP Basis - BC314 Windows NT MS SQL Server
- Siebel Sales Force Automation

SKILL SET: Windows Server 2003, Windows Datacenter, MS SQL Server, MS Exchange, MS Systems Management Server (SMS), MS Internet Information Server (IIS), MS Content Management Server (CMS), MS Commerce Server, MS BizTalk; MS Application Center; MS Transaction Server (MTS), MS Terminal Server, Citrix MetaFrame XP, SAP Basis, SAP GUI 4.6, Siebel, Oracle 9i, Oracle Financial Modeling System (FMS), J.D. Edwards, PeopleSoft, Reuters, Bloomberg, Electronic Data Interchange (EDI), Apache, TomCat, .Net Framework, Servlet, WebSphere, Cold Fusion, ASP, HTML, DHTML, XML, Message Queuing (MSMQ) CheckPoint's FireWall-1 & VPN-1, Secure Remote VPN client, MS Cluster Server (MSCS), MS Site Server, Visual Studio, Visual Basic, Visual Interdev, Visual SourceSafe, Foundry ServerIron, ADP HRizon, Novell NetWare, XcelleNet RemoteWare, MailSweeper, Platinum SQL, Mercury's LoadRunner, MS Office, MS Project, MS Visio, MS Publisher, Lotus Notes, Novell GroupWise, Cisco Switches, Cisco Routers, Avaya Definity PBX and Intuity Audix.

UTILITIES & TOOLS: Norton Utilities, Norton AntiVirus, McAfee VirusScan Enterprise, Trend ScanMail, Sophos Antivirus, MS Network Monitor, NAI Sniffer, ISS, VMware, MS Baseline Analyzer, Veritas Backup Exec, TSM (Tivoli Storage Manager), ADSM, ArcServ, CA BrightStor, Configuresoft

MONITORING TOOLS: Microsoft Operations Framework, Net IQ, MS MOM, Compaq Insight Manager, BMC Patrol, Heroix RoboMon, HP Openview, Cisco CSWI, Unisys Sentinel, Quest Spotlight

OPERATING SYSTEMS: Expert knowledge in all Windows Operating System versions including Windows Datacenter 2003; Red Hat RHEL-4, SUSE Linux; Cisco IOS; DOS; Novell NetWare; UNIX, MVS, VM, OS400, VMS; EMC Clariion & Symmetrix SAN; HP StorageWorks SAN; Unisys ES7000

PROTOCOLS/ TOPOLOGY: TCP/IP, IPX, NetBEUI, DECnet, IGRP, EIGRP, OSPF, ATM, T1, Fiber, Gigabit, WAP, WEP, EAP, LEAP, PEAP, WiFi, 802.11a/b/g, Token Ring, Frame Relay, ISDN, H.323, VOIP