**CTO ▪ CIO ▪ CISO ▪ Virtual C-Level (Advisor) ▪ Senior Security Solutions Architect▪ Corporate IT / Government / Contract Budgeting and Implementation ▪ Vendor Management ▪ Incident Response ▪ Cybersecurity ▪ Cloud (AWS, Azure)▪ Enterprise Analytics ▪ Corporate Readiness ▪ Maximized Reliability, Security and Function of current and proposed infrastructure**

Over thirty years of diversified management and security experience in various compliance managerial, advisory and program management positions. Extensive experience with energy and healthcare industries, government standards and regulations, incident response, penetration tests and vulnerability assessments, analysis, design, implementation, support, and secure architecture design. Experience discovering and securing networks hosted in international locations, COLO’s, cloud and makeshift server closets. Experience ranges from Start-ups, Small Business, Healthcare, Government and Fortune 100 companies, providing services from assessment, management, budgeting, program design to implementation including secure redesign after incident response. Excellent organizational, interpersonal, good under pressure and proven team development skills. Strengths and expertise lie in strategic planning, technology business management, IT realignment offshoring and outsourcing models, cybersecurity framework, IT governance/compliance, cloud and e-commerce solutions, and the ITIL framework.

**Career Profile and Accomplishments**

* Developed, deployed an AWS / AZURE VPC SOC based on Custom customer security and infrastructure dynamic needs. Included Palo Alto Virtual firewalls using Global Protect and Site to Site VPN connectivity. Customize SOC deployment matching client software and employee requirements.
* Provided emergency response support for global network breach, building a multi-tier deployment plan to KLO business requirements while maintaining breach to a minimum. Provide a Proactive Network, Security and Applications plan interfacing several vendors and advising C-level and management with solutions for cloud, colocation, and onsite rebuilds. Advised C-level on ongoing security threats plus provided security advisory support for Global operations during recovery.
* Experience as Director/Security and technical adviser with a multi-server and hardware platform implementation of entire back-office infrastructure including MAN/WAN/LAN, Email, Security, SIP, Database servers for multiple companies from 30 to over 10000 clients (employees/contactors and 3rd parties).
* Division Manager / Consultant for large scale (Fortune 100 data center) for equipment and service identification, decommission process planning, support decommission of outdated data centers while developing new infrastructure to new DC’s and cloud solutions.
* Managed teams and programs that provide support for Multiple Managed Services Contracts. Managing the overall support for their Servers, UCS, Networking, and Data Center/cloud environments.
* IT Director and Technical lead for daily infrastructure operations, security, troubleshooting, capacity, migration, and deployment of security devices and policies for production and disaster recovery data centers.
* Program Management and Technical Lead for regulatory compliance programs such OFAC, FERC, SCADA, PCI DSS v3.2, RISC, HIPAA, SOX, GDPR, HITRUST, FFIEC, NIST, and CSF, including internal penetration tests and vulnerability assessments
* Implemented and managed security infrastructures to support both domestic and International locations, multiple network operation centers. (F5, Juniper, Checkpoint, Fortinet (NAC) and Cisco and Security tools)
* Analyzed, designed and implemented various network and data infrastructure program requirements, programs and funding for various DoS and Army groups (101st Airborne, 404th, 416th, 4th ID, 1st Armor and Striker Brigade), Civilian Contractors (Bearing Point, Raytheon, SAIC, Bell South, KBR) and local Iraqi Ministries.
* Developed and implemented a Program Plan to repair, replace and create a Country Dual Fiber Optic Ring from Baghdad through Northern Iraq (Kirkuk, Suli, DaHuk, Mosul, Tikrit, Arbil, and Baquba).

Supported several small business startups, educating and assisted building a secure affordable Network / Data storage architecture with growth planning based on company revenue. A hands-off approach using cloud services and reliable vetted hosted services.

**Technical & Standards**

Security design, Incident response, Virtual CISO, migration, Security Reports and Log analysis Network statistics and alerting including hotfix deployments, Solarwinds, NetBrain custom deployments, support and migrate Checkpoint, Juniper, Palo Alto, and Cisco ASA, Multi-factor authentication, OKTA, SSL VPN, Router, Switches, NAC Security Deployments, Management of migrations, Deploy cybersecurity and Malware tools, leader with Disruptive Technologies and Trends design and support ▪ Security assessments conducted for companies based on individual compliances regulations (OFAC, FERC, SCADA, PCI DSS v3.2, RISC, HIPAA, SOX, GDPR, HITRUST, FFIEC, NIST, and CSF)

**Formal Education and Training**

Master of Science, Management Information Systems, Concordia University 2005

Bachelor of Science, Management Information Systems, Concordia University 2002

The United States Air Force “Desert Storm Veteran”

**Professional Experience**

Security Solutions Architect / Virtual-CISO April 2015 – Current

**Obelisk Technology Inc,** Phoenix, AZ, Los Angeles, CA, Las Vegas, NV (Support for Global operations)

* Security Solutions Architect provides Cloud SOC solutions for Gaming clients based around Merger and Acquisition needs.
* Palo Alto Virtual AWS VPC deployments, including Global Protect and Site to Site VPN for (AWS VPC-Corporate Properties)
* Security Solutions Architect provides analysis, design, deployment, and support for F5 LTM, ASM and VPN deployments. Lead Network, Security and troubleshooting process for several Data Centers to cloud services
* Security Solutions Architect provides analysis, design, deployment, and support for F5 LTM, ASM and VPN deployments. Lead Network, Security and troubleshooting process for several Data Centers to cloud services
* Provide F5, Checkpoint, Juniper and Cisco ASA design troubleshoot and support for multiple clients’ data center locations. (Atlanta GA, Chicago IL, Dallas TX, Singapore, Ireland, Macao, Japan and more)
* Advice, evaluation, and implementation of hardware, software, recommended tools and policy for CISO and security group.
* Design and deploy F5 LTM, ASM and GTM standards for refreshed DMZ Application program.
* Assess, document and update policy and procedures to meet current best practice. (V-CISO)
* Upgrade the F5 APM VPN environment and implement certificate-based authentication for mobile deployments.
* Design and Migrate Cisco ASA and ACL’s program to replacement Checkpoint Firewalls
* Provide CISO and CIO with support during DDoS attacks and other security incidents (Incident response)
* Provide Data Center, Application, Networking and Security team support and recommendations on current and planned deployments. Advice on best practice as it fits the client's onsite and cloud planning. Suggest new policy, architecture and migration paths related to (AWS, Google, IBM, AZURE and SwitchNap)
* Provide expertise, design, and support for Checkpoint, F5, Cisco, Juniper, Palo Alto, Fortinet, and other Security products. (Cloud assessments, Cloud Vendor validation, and Migration planning)

Senior Data Center Architect / Senior Security Solution Architect June 2013 – April 2015

**AWSODA Systems LLC / Virima LLC,** Phoenix, AZ, Las Vegas, NV, West coast (Support for Singapore and Macau)

* Data Center Architect led several engagements with a variety of clients(Gaming, Energy and Financial), both local and international, providing expertise in multiple environments during active cyber-attacks.
* Development of vendor strategies and best practices within the information technology environment during cyber-attacks.
* Provide technical pre-sales and customer relationship management for a growing IT industry segment centered around data agility and private and public cloud architectures.
* Development of data center transformation strategies and recommendations for clients looking to improve their data center operations reliability and budget planning.
* Disaster Recovery strategies, planning and implementation and testing of the implemented strategies.
* Microsoft 365 Exchange deployments internally hosted as well as cloud-based implementations with two-factor authentications.
* Data network design and implementation for existing, retrofitted and new facility with Visio and CAD documented builds including power, cooling and airflow optimization cloud-based implementations with two-factor authentications.
* Data network design and implementation for existing, retrofitted and new facility with Visio and CAD documented builds including power, cooling, and airflow optimization.
* Senior Security Architect, redesign, build and support multi-international location VPN infrastructure. (Checkpoint, Cisco, Palo Alto, Juniper, FireEye, LogRhythm, Splunk and other security tools)
* Assess and redesign firewall stability based on network traffic; optimize Firewalls to meet required 10-gigabit infrastructure requirements. (Checkpoint, Cisco ASA, Juniper Netscreen, Fortinet, and Palo Alto)
* Technical lead for the analysis, design, deployment, and migration of substandard data center consisting of unknown variables to a modern and advanced data center and a new off-site data centers.
* Reduced annual security hardware and software license renewal rate by 45% and created a scheduled upgrade process for a 3-year hardware life cycle.

Senior Security Architect “Consultant” / Southwest Practice Manager January 2011 – June 2013 (*Contract: Zero bench hours*)

**AWSODA Systems LLC / OpenSky,** Phoenix, AZ (Salt Lake, UT, Dallas, TX, East and West Coast customer locations)

* Senior Security Consultant, assisting business development in the growth of Southwest practice
* Increased Southwest division profits by adding additional clients in Arizona, California, Texas, Idaho, Colorado, Nevada and Utah support region.
* Manager / Technical lead for the analysis, design, deployment, and migration of substandard data center consisting of undocumented, outdated configurations and hardware to current compliant data center standards with validated and tested disaster recovery plan.
* Technical lead for vendor review and analysis for all software, hardware, and network requirements to meet multiple client needs. Providing Fortune 100, Energy, Education (k-12 and University), Healthcare and local State Government vendor contract review and recommendations based on industry regulations and suggested best practices that meet current and future budget and required growth needs.
* Adviser / Technical lead for evaluation of required client supported applications/servers/hardware needs. Architect plan for upgrades and migrate programs, consolidate tools and design cloud, DR solutions.
* Technical lead for security assessments based on customer’s regulations, compliance, design, deploy solutions for multiple environments. A best practice is used with consideration of customer culture, adapt and learn.
* Screening candidates for Networking and Security positions. Building consultant teams and develop customer FTE teams. Reduced client interview time and turnover evaluate personality and skillsets.
* Program / Technical lead for the deployment of Syslog monitoring of Events and Incidents (Nitro, Splunk, LogRythm, ARC) Develop usable alerts, dashboards reducing the daily noise created by baseline installs.
* Program / Technical lead for the deployment and migration of Security Firewalls and policy to Checkpoint, Juniper Netscreen, Cisco ASA, Fortinet, and Palo Alto)
* Program / Technical lead for the deployment and migration of Load Balancers and policy to F5, Netscaler, and Cisco CSS. Discover, Document and migrate 10000 web URLs to F5 LTM.
* Program / Technical lead for the support, planning, and migration of Cisco Networks including routing, switching, and IPAM management
* Program / Technical lead for multiple clients, assisting team members by making sure the client expectations are meet and consultants are productive.

Network Security Consultant / SCADA Team Lead August 2007 - January 2011

**Triad Resources /** **Duke - *Spectra Energy*** Houston, TX

* Program / Technical lead for the design, deployment, and maintenance of Websense Triton appliance, Bluecoat reverse proxy for E-Commerce trading, external user single sign-on for several load-balanced URL links and servers. Evaluated and deployed Citrix password manager for all HR, Financial, and internal websites. US and Canada’s locations supporting 7500 users
* Program / Technical security Lead for the deployment and migration of Cisco Unified Communications IP phone systems from Mitel PBX. Specialized on the CUPS migration from Microsoft IM solution to Cisco/Jabber open-source federation solution. Provided security evaluation and documented migration plan from telecom TDM to SIP.
* Technical lead for design, deploy and support for Firewall and load balance infrastructure (Checkpoint, Cisco ASA, F5, Citrix Netscaler and Juniper Netscreen) to support multi-user zone network based on business, SCADA and SCADA support requirements.
* Technical lead for the deployment of RSA two factor appliances for employees, customers, and vendors. Implemented Splunk Syslog tracking for user successful, failed and retries authentication attempts. Documented and validated to meet future compliance requirements.
* Technical lead for FERC compliance, Security assessments internal and external. SCADA network development solutions, budget, and implementation to meet current and upcoming compliance requirements. Evaluated, design and deployed DR data and office facility in Austin to meet FERC disaster recovery requirements.
* Vendors evaluation review in a custom-built internal lab that allowed us to test and validate all software, hardware, and SCADA network requirements and compliance needs.

Director of IT December 2005 - August 2007

**Tidal Software, Inc.**(Palo Alto, Pasadena, CA, Houston, TX, Camberley, England, Walldorf, Germany) Houston, TX

* Management of IT personnel, financial planning, network architecture design, implementation and development of location expansions.
* Director and Security Technical lead of IT group overseeing the planning, implementations, supporting and maintenance of networks (Cisco, Checkpoint, F5, Firepass, Fortinet, Netscaler and Netscreen, Windows, UNIX, Linux, AS400). Deployed remote DC for DR functions and to include a secure backup solution. Second DR site built in California to meet active-active customer data requirements.
* Director / Security Technical lead for the support and maintenance of proper function of development platforms to include PeopleSoft, SAP, SalesForce and Microsoft CRM. Overall support for internal infrastructure needs and partner shared needs and data security.
* Designed WAN network stretching to California to Houston location via MPLS, with dedicated VPN to Germany, UK, and Vendors. VPN and logins logged in a custom Syslog with alerting for failed attempts or multiple reties auto blocked to avoid misuse of user accounts. Created email alerting for partner, customer and vendor accounts sent to customer support in order to provide proactive customer service.
* Discover, document, duplicate and implement customer environments in order to deploy local lab simulation for developers and support teams. This was accomplished by doing an assessment of a particular customer, documenting findings, purchasing hardware and software and building a Lab to mimic the critical hardware and software requirements to develop or test. (eBay and Dell Hardware and VM’s)
* Director and security lead for company acquisitions and evaluations to SAP or transformation to Cisco.

BAT (Biometrics Automation Team) Program Field Manager (Middle East) (GS-15e) Jan 2005-Nov 2005

**Oberon Associates, Inc.**TMEC/LTO Lab; Deployments to the Horn of Africa, Iraq, Afghanistan, Qatar, Germany, Sierra Vista, AZ

* Program Manager and Technical Lead for the build, development and support Biometric Networked solutions for ECP, HST and LEP Teams in theater Analyst. To allow collection for DoD entities, development, diagnosis solutions in deployed environments.
* Provided fast criminal data search solution for CONUS and OCONUS DoD users. (Army, Marines, BISA and needed access)
* Technical lead for the build, develop and support Biometric device hardware-software, to include support for DoD entities, develop test, production and demonstration platforms for TMEC LAB (DoD-DHS shared facility)
* Manager and Technical Lead for the deployment, training, and support fielded BAT system in Iraq, Afghanistan, Qatar, and HOA
* Manager and Technical Lead for the deployment, training and Server deployments in Middle east, Counterintelligence/Human Intelligence software, Integrate COTS and GOTS packages in a packaged server rack platform enabling turnkey deployments.
* Penetration and vulnerability testing of developed software modules and regression testing BAT software and packages on multiple Microsoft Windows Platforms and a multitude of hardware platforms. (Dell, Panasonic, HP, Northrop Grumman and more)
* Technical lead for the deployment and testing of the DITSCAP system and software IAVA and security requirements.
* Provide software developers with current security guidance for best-business practice in code development and data storage.
* Windows Server 2000/2003 – Active Directory, XP Pro XP Tablet, XP Embedded, Visual Studio .NET, SQL Server 2000/2005 Beta2, Exchange 2003, SharePoint 2003 Services, Symantec Live State Recovery and Ghost Solution Suite.
* Provide recommendations, documentation, and solution for new hardware, software. Develop network architecture based around restricted access by region and DoD secure networks for current and upcoming development.
* Technical lead for design, deploy and support for Firewall and load balance infrastructure (Cisco, F5, Netscaler, and Netscreen)

Network Security Lead (GS-15e) OIF-CPA Program Director Oct 2003-Jan 2005

**S&K Technologies, Inc**. Iraq / Houston, TX

* Direct Report, Management and Lead for the analyzing, design and implementation of various IT infrastructure programs financials, technical requirements and projections for entire Northern Territories of Iraq, overseeing personnel from a collective of military and civilian contracts from several different countries; approximately 35 direct reports with 200 subordinates not including individuals with ORHA, CPA, DoS, and 4 separate Army divisions.
* Technical lead for the support of Windows 2000, 2003 Server farm in conjunction with UNIX and Linux servers
* Direct Report and Manager, Program Manager, Information Security Specialist, Network Engineer Manager, Application Systems Design, Due Diligence, Firewall Maintenance, Implement and Maintain Quality Assurance Processes, Implement and Test New Technologies, Information Systems, Intrusion Detection Analysis, Local Area Network, MS Office, Microsoft Office Products, Network Design and Infrastructure, Networking, Penetration Analysis, Server Maintenance, Systems Analysis, Systems Application, Maintenance, Technical Compliance & Documentation, Telecommunications, Wide Area Network.
* Direct Report and Manager and Technical lead for all radio, satellite, and Internet Communication in the Northern region.
* Gathered INTEL from Military, Civilian and NGO Sources and disseminated as appropriate
* Direct Report, Program Manager and Technical lead for development and implementation: Program Plan to repair, replace and create a Country Dual Fiber Optic Ring from Baghdad thru Northern Iraq (Kirkuk, Suli, DaHuk, Mosul, Tikrit, Arbil, and Baquba); procedures for Internet usage and security implementation according to DoD suggested standards and security levels; and approximately 80 separate small LAN Internet groups (minimum of 24 Desktops, one server and one satellite with appropriate security and maintenance software, including documentation and training manuals) utilizing local IT resources for installation in Schools (College, Entry level - High

School)

* Direct Report, Manager and Technical Lead for the analyzing, design, implementation, and management: various IT infrastructure program requirements, projections and CPA financial funding for various Army groups (101st Airborne, 404th, 416th, 4th ID, 1st Armor, and Striker Brigade), Civilian Contractors (Bearing Point, Raytheon, SAIC, Bell South, KBR) and local Iraqi Ministries; program plans for microwave communication network allowing various Northern Governate Coordinates communication for an immediate problem resolution during telecommunication development, ultimately to assist in local emergency programs to rebuild, upgrade and repair telecommunications and local services, ultimately connecting all Northern cities as a long term goal.
* Support for ORHA (US Office of Reconstruction and Humanitarian Assistance) and CPA internal daily IT needs.
* Direct Report, Manager and Technical Lead for the rollover from ORHA to CPA including the tracking of inventory, purchases and data support for programs, personnel and documentation for Northern Region (Kirkuk, Suli, Da Huk, Mosul, Tikrit, Arbil and Ba Quba).
* Direct Report, Manager and Technical Lead for the set-up, design, and implementation of the operation centers for CPA staff from "ground-up" to include: furniture, Satellite internet, IP Phones, Secure Phones, Satellite phone for OPS offices and field support.
* Hired and trained local Iraqi staff to support CPA and KBR needs. Worked with Kurdish, Assyrian and Sunni communities to improve technology equipment and knowledge to enable growth and education as the country develops.
* Direct Report, Manager and Technical Lead for the design and implementation in coordination with KBR and OPS Centers to create an HF radio solution and Emergency travel kits for vehicles.
* Obtained Certification and assisted Personal Security Teams ("US" Air Force OSI, "UK" CRG, "UK" Global, "US" Black Water and "US" Triple Canopy) in fulfilling their responsibilities when personnel was limited, to obtain the appropriate security level for traveling delegates from various Coalition Authorities.

Director of IT Operations April 2002-Sept 2003 (Startup Founder as of 2000)

**Mongoose Tech, Inc.**Houston, TX

* Director of IT Operations, roll included the Analyzing, design, implementation, and documentation of LAN and the deployment of Windows 2000 Active Directory domains. Reduced login requirements and increase security logging for internal and partner logins.
* Tasks included Financial Planning, Program Management, approval and overseeing of the design of Active Directory Schema, Deployment and support of Network to client with remote office VPN support, documentation for IT personnel, technical support, design, and implementation of Microsoft-related solutions such as Windows 2000, Exchange 2000, Policies, IIS servers for onsite and remote clients, creating procedures for Portal Studio connection and support documents to include Quality Control Process and Demonstrational Sale purpose of product functions and connection to the network data services.
* Migration and Merging of a Sun and Linux domain environment to Windows 2000 domain, Created Single Sign scripts for Samba shares to reduce support time of user support Developed a phone solution via VOIP to reduce Telephone's overall cost of international (UK and Germany) remote offices and employees.
* Technical Director for the planning, implementing, supporting and maintenance of Cisco and 3Com networks, Checkpoint Firewalls, Cisco PIX, F5 load balancers, Netscreen, Windows, Solaris, and Linux). Created security policy to meet vendor and software needs.

Network Security Architect / Security Group Lead May 2000-April 2002

**Cyberonics Inc.** Houston, TX

* Technical lead for the support, design, and implementation of Novel - NT4.0 Network to Windows 2000 Active Directory. Tasks included designing and support of Secure Active Directory Schema, Deployment and support of Checkpoint Firewall with client and remote office VPN support to Cisco ASA VPN and Firepass VPN.
* Technical lead for the analysis, design, and implementation of Citrix XP, Windows 2000 Server, and Windows 2000 Advance Server cluster connected to a Xiotech(SAN). Support of Microsoft SQL 2000 Enterprise and Exchange 2000 Enterprise, Deployed Microsoft SMS 2.0 to server and clients. Deployed NETIQ App server for 10000 users, deployed Webtrends for IIS 5 and Apache Server.
* Technical lead for the creation and implementation of procedures for content filtering, security for LAN, WAN and remote clients via e-mail, HTTP, removable media, and document for Avaya thru the implementation of VOIP clients thru firewalls and integrated Voice mail into Exchange for all clients
* Top-tier resolution-support Windows 9x, 2000 and XP clients across dial-up, LAN, WAN, and VPN.
* Developed live environment for Sales software data transfers from SalesLogix to Vaultus “Blackberry” Mobile software.

Network Operations Supervisor April 1996-May 2000

**La Porte Independent School District**La Porte, TX

* Member of the Information Management & Networking Support Group. Engagements included roles as lead network Engineer support in the design and implementation of Cisco ATM networks for La Porte ISD MAN.
* Design and implementation of networks, test labs, Role out procedures, Cisco Routers, Cisco Switches & Cisco ATM backbone, Cisco PIX Firewall with Websense content filter, and Cisco Works 2000 network management systems, procedures and documentation for Helpdesk, Developed Ghost image to restore, create new workstations, and support 9x and workstation clients across MAN (Metropolitan fiber area Network).
* Evaluated, deployed multi-layer Antivirus solution to reduce “Zero Day Threats” using multiple AV tools based on server-client roles.
* Design and implementation of Microsoft-related solutions such as Windows NT Server, Windows NT advance server cluster with Unisys SAN, Microsoft Exchange 5.5, Microsoft SMS 2.0, Microsoft Proxy & IIS 4 servers for 7500 clients.
* Designed and deployed VOIP “Mitel” phone solutions to all clients through fiber MAN with Email and Voice mail connection.
* Transitioned PRI topology to IP standards, deployed and created support documentation.