

EXECUTIVE PROFILE

Visionary Executive and Technical Authority with 30 years of enterprise IT leadership and 23 years of specialized Electrical Controls and Industrial Automation (OT/IoT) expertise. Recognized as a premier "Trifecta" leader capable of bridging the critical gap between highly physical automated infrastructure (PLC/SCADA) and sophisticated, self-healing cloud enterprise systems. Proven track record of architecting uncompromising "security-by-design" frameworks that protect public utilities, global enterprise networks, and sensitive regulatory data from elite nation-state threat actors.

Nationally recognized Cybersecurity Contributor (ABC News) and Patented Inventor of the TITAN AI-driven Intrusion Prevention System. Deeply experienced in serving as a strategic partner to Boards of Directors and C-Suite executives to align technology initiatives with overarching fiscal and revenue goals. Expert at translating complex operational bottlenecks into highly scalable, ROI-driven architectural deployments that routinely reduce CAPEX expenditures by millions of dollars while ensuring 99.99% high-availability in environments where failure is not an option.

CORE EXECUTIVE COMPETENCIES

- Enterprise IT/OT/IoT Strategy & Convergence
 - AI-Driven Threat Detection & Zero Trust Architecture
 - Global Incident Response & Digital Forensics (DFIR)
 - Board-Level Advisory & Enterprise Risk Mitigation
- P&L Management & CAPEX Optimization
 - Industrial Control Systems (ICS/SCADA) Security
 - Regulatory Compliance (NIST, SOC2, HIPAA, FCC)
 - High-Availability Redundant Infrastructure Design

TECHNICAL ECOSYSTEM & MASTERY

- **Infrastructure & Global Networking:** Sovereign architecture design, Corporate Router/Switch Engineering (Cisco, HP), Virtualization (VMware/Hyper-V), SDN, deeply segmented Data Center Engineering, and FIPS-compliant VPN protocols (RSA/SHA 256 GCM, IPsec/RFC 4301).
- **Enterprise Cloud & Identity Governance:** Full-Stack Microsoft ecosystem authority (Azure, Active Directory, Exchange, O365/M365), advanced Linux Systems mastery (CentOS, RHEL, Alpine), Identity Provider (IDP) integration (SAML 2.0, OAuth), and stringent Endpoint Security (EDR/XDR) alignment (MITRE ATT&CK / ISO 27000).
- **Industrial Automation & Controls:** Component-level hardware mastery, PLC Programming (Expert), HMI/SCADA Design, DCS (Distributed Control Systems), Custom PCB fabrication, Signal Processing, and deep knowledge of legacy and modern industrial networking protocols (OPC, Modbus, Ethernet/IP, FirstNet TCP 4G).

PROFESSIONAL EXPERIENCE

SCADA MANAGER / PRINCIPAL ARCHITECT

GOLDEN STATE WATER COMPANY | San Dimas, CA

June 2026 - Present

- Recruited to direct and modernize the enterprise-wide SCADA infrastructure supporting critical water distribution across 80+ California communities.
- Serve as the Program Manager for the overarching SCADA Master Plan, partnering directly with the Capital Program Management and Operations divisions to architect high-availability, ROI-driven control systems.
 - Tasked with safeguarding critical infrastructure against advanced physical and cyber threats by strictly enforcing NIST 800-82 and ISA-101 standards.
 - Lead continuous delivery initiatives and manage cross-functional technical teams to optimize operational workflows, deploy advanced PLC/HMI solutions, and significantly reduce CAPEX/OPEX expenditures while ensuring 99.99% telemetry uptime.

- Provide architectural escalation for the statewide grid and develop strategic infrastructure testimony for the utility's General Rate Case.

SENIOR ELECTRICAL CONTROLS ENGINEER & IT DIRECTOR

2023 - 2025

V-GRID ENERGY SYSTEMS INC. | Camarillo, CA

Led R&D, industrial IT strategy, and hybrid-cloud infrastructure modernization for a cutting-edge energy technology firm.

- Spearheaded aggressive fiscal optimization initiatives, engineering custom PCB I/O solutions and overhauling motor controls with advanced Variable Frequency Drives (VFDs), yielding a **\$2M CAPEX reduction** while preserving crucial legacy form factors.
- Acted as the ultimate escalation authority for cyber defense, neutralizing active malware threats by completely rebuilding corporate router/switch architectures and deploying a FIPS-compliant 5G VPN for secure, zero-trust access to all remote SCADA sites.
- Directed the seamless enterprise migration to a Full-Stack Microsoft (O365/M365) ecosystem, enforcing rigorous Active Directory hardening and deploying next-generation Endpoint Detection and Response (EDR) to guarantee a 100% secure hybrid-cloud posture.
- Partnered directly with the CEO and Engineering Directors to forecast IT budgets, evaluate emerging digital technologies, and implement AI-assisted business processes with uncompromising fiscal discipline.

PRESIDENT & PRINCIPAL TECHNICAL CONSULTANT

1999 - Present

BETTER INFORMATION SERVICES INC. (BISTECH) | Ventura, CA

Founded and scaled an elite technology consultancy firm, delivering C-level strategic advisory and full-stack engineering to over 1,500 diverse global clients.

- Directed the successful completion of thousands of enterprise projects—ranging from concept to deployment—establishing a reputation for finishing ahead of schedule and under budget through expert management of contingency controls and supervisory activities.
- Architected highly redundant, self-healing network infrastructure virtualization (VMware/Hyper-V) and full-stack Linux solutions (RHEL/CentOS), delivering flawless high-availability data centers for clients operating in critical sectors.
- Served as Lead Digital Forensics (DFIR) expert and Incident Commander during high-profile breaches, utilizing advanced SIEM (Splunk) to identify, track, and surgically eradicate complex nation-state lateral movements.
- Operated as an external Chief Information Officer for high-value clients, authoring multi-million dollar technology roadmaps, negotiating vendor contracts, and regularly presenting technical feasibility proposals to legal bodies, boards of directors, and municipal councils.

SCADA, AUTOMATION & IT SYSTEMS SPECIALIST

2019 - 2023

CASITAS MUNICIPAL WATER DISTRICT (CMWD) | Oak View, CA

Rescued, stabilized, and modernized mission-critical regional water distribution networks governed by strict public sector mandates and an annual budget of \$35M-\$40M.

- Inherited a distressed physical infrastructure suffering from ancient SCADA failures and communications overlaps; executed a comprehensive strategic roadmap to achieve 99.99% uptime across 60+ remote operating sites.
- Led a complex organizational transition to comply with FCC 12.5 MHz narrowband mandates, successfully engineering and implementing GE MDS radios and dual FirstNet TCP 4G backhauls, completely eliminating expensive third-party tower leases.
- Served as hands-on operational leadership during the high-stakes takeover of a Golden State Water well field, diagnosing and seamlessly integrating ancient Modicon processors and serial radios into the modernized network while the field remained actively running.
- Innovated and deployed portable 4G LTE "Mitigation Units" coupled with specialized antenna technologies to establish immediate, real-time diagnostic control, decisively ending periods of "on-call chaos" for the utility's operations team.

SENIOR IT & SYSTEMS ENGINEER / LEAD DEVELOPER

2012 - 2019

OASIS TECHNOLOGY INC. | Camarillo, CA

Drove advanced R&D for enterprise security products and served as the primary Tier 3 escalation architect for Fortune 500 accounts.

- Served as the Lead Full-Stack Developer and Project Manager for globally recognized clients, including **Amgen and Verizon**, overseeing the architecture of high-concurrency server clusters handling immense traffic loads.
- Conceptualized, engineered, and successfully **Patented the "TITAN" IDS/IPS platform**, leveraging early-adoption AI technologies to build a real-time, dynamic database of malicious network activity.
- Architected deep-stack routing, synchronization, and threat mitigation solutions for massive data centers, solving complex failure loops that paralyzed client operations.
- Fostered a culture of uncompromising excellence, mentoring cross-functional engineering teams to view security not as an obstacle, but as a foundational enabler of business continuity.

SENIOR SYSTEMS ENGINEER & TECHNICAL LEAD

2002 - 2012

NGCS INC. | Ventura, CA

- Spearheaded the operation of a local ISP division, delivering wireless and dial-up internet, secure email services, and cloud storage to thousands of local customers leveraging highly customized Red Hat Enterprise Linux (RHEL) server architectures.
- Directed the full-lifecycle installation of complex physical infrastructure, including Ethernet networking, telecommunications and phone systems, IP security cameras, warehouse PLC controls, medical office systems, and retail Point of Sale (POS) environments.
- Served as the primary technical consultant and corporate representative, driving high-value projects from initial sale and conceptual design through to final acceptance testing, delivery, and client sign-off.
- Commanded the end-to-end design, implementation, and rigorous testing of advanced corporate routing and switching infrastructures, heavily utilizing L2/L3 security and VLAN segmentation to enforce strict zero-trust principles.
- Managed the expansive deployment and continuous lifecycle of enterprise-wide Active Directory forests and Exchange servers, establishing a secure, scalable "full-stack" standard for the firm's major clientele.

SENIOR IT SPECIALIST & TECHNICAL PROJECT MANAGER

1999 - 2002

CYBER AD MEDIA INC. | Ventura, CA

- Architected high-concurrency web solutions that successfully hosted 400,000+ dynamically generated pages, maintaining sub-second latency and 99.9% uptime for mission-critical digital advertising pipelines.
- Executed comprehensive internal hypervisor installations and managed bare-metal hardware engineering, significantly optimizing load balancing and server lifecycle management.

SENIOR INTERNET PROGRAMMER & SYSTEMS CONSULTANT

1997 - 1999

CHANNEL ISLANDS DESIGN | Ventura, CA

- Engineered heavily customized Content Management Systems (CMS) and high-performance, fault-tolerant web architectures utilizing low-level C programming and early foundational web protocols.
- Pioneered proprietary SEO frameworks and data structuring techniques that consistently secured #1 global search rankings, driving unprecedented market share for early digital adopters.

AWARDS, PATENTS & BOARD-LEVEL RECOGNITION

- **United States Patent Holder:** Specialized Network Security & Converged Technologies. Sole inventor of the AI-driven TITAN Platform (Intrusion Detection and Prevention Engine).
- **National Media Subject Matter Expert:** Recognized cybersecurity authority and featured contributor on ABC News, communicating complex cyber threat landscapes to global audiences.
- **Industry Commendation:** Honored as the *"Cyber Defense Magazine Infosecurity Award Winner"* for outstanding Technical Innovation in the field of digital defense.

- **Executive Professional Equivalency:** Officially evaluated as possessing knowledge and leadership execution that strictly exceeds the requirements for a Master of Science in Electrical Engineering and an MBA (Chief Technology Officer track), backed by 30 years of applied R&D mastery.
- **Education:** High School Diploma, VHS, Ventura, CA.