

Each pillar of Information Technology below represents a cumulative description of the role and our staff. Each individual on our team has a minimum of 20 years' experience in their respective areas of technology.

Infrastructure/Application/Network Design Engineering & Implementation:

- Illustrative (and simple) network designs utilizing Lucid Chart (similar to Visio).
- High Availability (HA)/Four Nine's (X4 9's) design. Example: Regardless of a network equipment failure, internet issues, the organization will be operable 99.9999% of the time.
- Minimal on-site technology infrastructure required, leveraging a minimum network stack (two firewalls for redundancy/part of HA-X4 9's), switches, router(s), Wireless Access Point(s) – WAP(s), and Uninterruptable Power Supply(s) – UPS. The “hub & spoke” network design minimizes OPEX & CAPEX and optimizes on-going support, increasing EBITDA.
- Virtual Local Area Network (VLAN) designs/implementation (organizational effort allowing inventory and organized management of equipment assigned to each VLAN).
- AI aggregator allowing one monthly cost/use of any AI LLM. Security guardrails development protecting corporate data.
- Full Disaster Recovery (DR) and Business Continuity (BC) designs including a documented and executable BC/DR plan/tabletop exercises/testing at all locations.
- VAR relationships, reduce hardware/network equipment and application/hardware licensing costs.
- Application/license analysis & audit, typically reducing monthly recurring costs (MRC).
- Coordination and collaboration with cybersecurity, internet circuit carriers, datacenters, low voltage, integrated video conferencing, and application stacks.

Cybersecurity:

- Real-time automation detection of an organizations security posture.
- SOC 2 Type I and SOC 2 Type II certification.
- Illustrative cybersecurity monitoring, audit preparation, and end-of-life network equipment tracking.
- Formal Security Review Assessment (SRA) assisting with cybersecurity certifications, increased client sales, threat detection, and resolution (Panoptik offers three magnitudes of SRA's based on requirements/complexity).
- Penetration Testing simulating a cyberattack on networks, applications, and IT systems evaluating any vulnerabilities.

- Red Team Analysis developing simulated real-world attacks that test an organization's defenses, plans, and decisions.
- Security Operations Center (SOC) design and build-out.
- Cybersecurity insurance analysis and recommendations to ensure appropriate coverage.
- Cybersecurity policy development, data protection, incident response, and compliance fulfillment.
- Formal cybersecurity awareness training.
- Formal Technology Change & Configuration Management (TCCM) ensuring any changes to the technical environment are reviewed and approved ensuring security compliance retention.
- Threat modelling identifying and mitigating design flaws and security risks prior to attacker exploitation.

Connectivity:

- Agnostic internet carrier technology services distributor. Global internet carrier relationships; based on volume, reduction in Monthly Recurring Costs (MRC) and Non-Recurring Costs (NRC) - one-time fees.
- Fiber optic connectivity, last mile and internet carrier diversified adhering to the HA/X4 9's design.
- Datacenter design based on the organizations business type/size, network design coordination, and data redundancy/fail-over.
- Hub & Spoke design coordination, seamless connectivity to applications eliminating downtime.
- Telco audit, analysis, typically equates to disconnect of unused telco lines and services, reduction in MRC.

Low Voltage/Integrated Video Teleconferencing:

- Custom and illustrative low voltage designs and installations; collaboration with General Contractors (GC), electricians, construction crew, and client.
- PatchBox to retain organized data rooms patch cables ("spaghetti" rack cabling is a thing of the past! The patch cables are rack mountable and spring loaded in cassette's).
- Custom designed integrated video conference rooms.

Program/Project Management:

- Management of all projects, custom reporting, and common sense!
- Full suite of formal PM project documentation broken into small, medium, and large project sizes.
- Fluent in online PM tracking applications such as Monday.com and Smartsheet.
- Budget governance and reporting.
- Weekly team meetings (and daily Scrum if required, based on complexity).
- Custom reporting based on project requirements/ complexity.
- On-going Managed Service Provider (MSP) recommendations for daily support and systems maintenance at project completion.