THOMAS EARL JR.

Ortonville, Michigan
(248) 742-5440 | tearl42@gmail.com

IT MANAGER AND ADMINISTRATOR

Seasoned IT Leader and Network Architect with 30 years of success designing, deploying, and optimizing enterprise-scale IT infrastructures across manufacturing, technology, and service-driven industries. Recognized for building high-performing teams, driving operational excellence, and architecting secure, scalable systems that align with business goals. Expert in delivering innovative solutions that enhance efficiency, reduce risk, and support long-term growth.

AREAS OF EXPERTISE

IT Infrastructure Management | Network Architecture and Engineering | Administration Compliance | Project & Program Management | Physical Security Controls | IT Policy Implementation | Strategic IT Leadership | Cybersecurity | Stakeholder Communication | Data Management | Technical Network Design | Cloud Computing

PROFESSIONAL SUMMARY

Ashh Inc. (Cannatron/Ooze Wholesale)   **July 2020 – May 2025**
IT Manager
Executed a full-scale IT infrastructure overhaul across three business units, significantly enhancing cybersecurity protocols, physical network integrity, and compliance readiness.

- Administered and integrated Microsoft Business Central for a 63 to over 100-person organization, enhancing cross-platform data flow and significantly improving system efficiency and reporting accuracy.
- Provided strategic IT leadership and direct technical support across Cannatron/Ooze Wholesale, BrandMyBags.com, a Michigan dispensary, and an Ohio-based cash-and-carry smoke shop, delivering customized technology solutions aligned with each business's unique operational model.
- Mentored and supervised a two-person IT team, resulting in a 20% boost in support response time.
- Reduced operational expenses by 43% and streamlined headcount while maintaining SLAs, proactively optimizing IT systems and assets to achieve 99.9% uptime and ensure uninterrupted business operations.
- Architected and managed a secure, cost-effective AWS environment to support cloud-based ecommerce applications and services, enabling greater scalability and system resilience.

Xoriant Inc. (General Motors Contract)   **September 2019 – April 2020**
Switch Configuration Engineer
Upgraded switching infrastructure and redesigned network architecture at six GM assembly plants, adhering to GM standards. Led Red Team reviews and provided on-site escalation support to ensure switch reliability and minimize downtime during production startups.

- Oversaw the maintenance and version control of standardized switch configuration templates; trained GM contractors and ensured adherence to Cisco and GM network protocols.
- Spearheaded the implementation of Cisco TrustSec across multiple GM facilities, including template development, deployment, staging, and comprehensive troubleshooting documentation.
- Acted as the technical SME for manufacturing network operations, resolving complex Cisco switching infrastructure issues with custom automation scripts.

Secure-24, LLC.   **August 2017 – May 2019**
Client Architect, Solutions Architect
Designed and modernized enterprise network and data center infrastructure to improve scalability, performance, and security across client environments.

- Led the integration of advanced telecom services into customer systems, ensuring compliance with uptime requirements and critical performance metrics.
- Mentored a high-performing customer IT team, resulting in improved project delivery timelines and greater operational efficiency.
- Developed tailored architectural solutions by aligning client goals with emerging technologies, enhancing overall system functionality and user experience.

Time Warner Cable   **April 2015 – August 2017**
Commercial Network Operations Manager
Directed a team of six engineers during a large-scale acquisition, maintaining service continuity and aligning infrastructure with commercial network protocols.
- Managed digital encoding projects for a national sports broadcaster, resolving technical disruptions and improving broadcast quality across platforms.
- Introduced system enhancements that improved network stability, reduced latency, and ensured consistent performance in high-traffic environments.
- Facilitated process transitions during system integration phases, reducing downtime and supporting adherence to service level expectations.

IHS Markit   **April 2012 – March 2015**
Network Manager & Infrastructure Architect
Redesigned and implemented a scalable network infrastructure across all RL Polk legacy locations, followed by a global architecture rollout supporting facilities worldwide.
- Integrated six data centers and five offices from RL Polk into the IHS Markit network, unifying services including voice, video, and DevOps under a cohesive system.
- Developed standardized processes, procedures, and documentation to support consistency and efficiency within the Network Engineering Department.
- Upgraded and redesigned two data centers to support long-term infrastructure needs, negotiated higher bandwidth at reduced costs, and consolidated servers using Cisco UCS to achieve substantial space and cost efficiencies.

ADDITIONAL RELEVANT EXPERIENCE
Fast Switch – Product Development Manager – Southfield, MI
CSC Inc. – Senior Network Engineer | Infrastructure Architect – Sterling Heights, MI
TEK Systems - Infrastructure Architect – Pontiac, MI
Communication Access Center for the Deaf & Hard of Hearing – Network Analyst – Flint, MI PHNS Inc.– Network Analyst – Flint, MI
Verio Inc. – Assistant Director | Senior Manager of Networking Engineer – Livonia, MI
Coast to Coast Telecommunications – Telecommunications Switching Engineer – Clarkston, MI AGIS Inc. – Network Operations Specialist – Dearborn, MI

CERTIFICATIONS AND TRAINING
Python for Everyone (PY4E)
ITIL Foundations
Kepner Tregoe Problem Solving & Decision Making (PSDM)
Interconnecting Cisco Network Devices (ICND)
Ipv6 Installation, Troubleshooting and Design
Building Cisco Metro Optical Networks (METRO)

EDUCATION
Computer Science and Architecture (Continuous Education)
Oakland Community College