Mark Weinstein

mark@markweinstein.com

PROFESSIONAL SUMMARY

Experienced IT professional with 25 years of experience designing, building, and maintaining enterprise-grade infrastructure and delivering scalable, high-performance technology solutions. Deep expertise in server architecture, SQL database development, data center operations, and systems integration. Proven track record of ensuring near-perfect uptime, optimizing system performance, and leading technical teams through innovation and continuous improvement. Passionate about learning and adopting emerging technologies.

TECHNICAL EXPERTISE

Enterprise Infrastructure & Architecture: Enterprise systems design, server and blade architecture, data center operations, redundancy planning, high-performance storage (RAID, NVMe/SSD, VROC, SAS, NAS, SAN), and business continuity strategy.

Virtualization & Platform Management: Microsoft Hyper-V architecture, scalable VM lifecycle management, resource optimization, and resilient infrastructure deployment.

Database & Application Systems: SQL Server architecture and performance optimization, data modeling, complex query tuning, enterprise application support, MySQL, and PostgreSQL.

Networking & Security: TCP/IP, VLANs, VPN, DNS, DHCP, IIS administration, SSL management, 10Gb networking, cybersecurity protocol design, risk mitigation, network monitoring/troubleshooting, and firewall management.

Technology Stack: Windows Server, Active Directory, Microsoft Exchange Server, Microsoft 365, Microsoft Azure (App Services, Functions), PowerShell, Linux (Ubuntu/Raspberry Pi), .NET, .NET Core, ASP.NET, Web API, Java, JavaScript, ColdFusion, HTML, Python, Azure DevOps, GitHub, and Bash/Shell scripting.

Leadership & Operational Excellence: IT infrastructure planning, workflow optimization, technical documentation governance, team hiring, and onboarding.

AI & DIGITAL CONTENT CREATION

OpenAI and ChatGPT; Google AI tools; AI-assisted advertising and promotional content; how-to and instructional videos; training and educational videos; informational content; AI-supported ideation, drafting, and production workflows.

PHOTOGRAPHY & DRONE PHOTOGRAPHY

Photography and drone photography. Portfolio samples and selected work can be viewed through the personal website.

PROFESSIONAL EXPERIENCE

IT Consultant | 2025–2026

- Designed, deployed, and supported customer network and infrastructure solutions, leveraging Ubiquiti networking equipment and AI-enabled surveillance systems.
- Planned and executed migration of on-premises Exchange Server and Active Directory to Microsoft Azure and Microsoft 365 cloud services, establishing hybrid identity, email, and file-service capabilities with centralized monitoring and management.
- Designed and delivered a custom two-rack on-premises server environment for a law firm, hosting multiple customer-created software applications to improve throughput and reduce job queue times.

Head Network Engineer | eFoodUSA – eCommerce, Foodservice Industry | 2001–2025

- Designed and implemented foundational technology for the foodservice industry's first eCommerce platform, supporting a network of over 100 distributors and processing more than 3 million orders.
- Engineered, managed, and maintained SQL databases critical to operations, ensuring performance, integrity, and scalability.
- Managed technical infrastructure for application sites, including IIS, DNS, SSL certificates, and Hyper-V virtual machines, supporting secure, reliable, high-performing web environments.
- Architected and maintained secure firewall infrastructure, including high-availability failover, IPS, anti-spyware, botnet filtering, Geo-IP filtering, gateway antivirus, and deep packet inspection. Maintained systems with no known breaches, hacks, or intrusions during this period.

- Built custom server environments from single-server solutions to high-density 2U 4-node and blade systems; integrated NVMe drives with Intel VROC and 10Gb NICs.
- Partnered with multiple data centers to support high availability and near-100% uptime over 25 years.
- Led development and support teams in analyzing application and database issues and planning deployments with minimal user impact.
- Designed and managed site-to-site, client-based, and SSL VPN infrastructures with access controls tailored to business requirements.
- Led data integration using Microsoft DTS and modernization of ETL workflows to SQL Server Integration Services (SSIS).
- Designed and managed enterprise email infrastructure that handled more than 4 million emails throughout its lifecycle.
- Led technical hiring processes and planned technology installations for new office sites, including infrastructure, structured cabling, and network design.

PROJECTS & ACHIEVEMENTS

- Led a multi-phase migration of legacy systems to high-performance blade infrastructure without downtime.
- Developed best practices for SQL development, backup, and disaster recovery.
- Created in-house tools and systems to streamline operations, improve customer satisfaction, and reduce costs.
- Coordinated data center relocations, including design and build-out of a custom data center suite with specialized cooling.
- Developed a custom ColdFusion and SQL administration portal to simplify management of multiple systems and applications.
- Designed monitoring tools, including HTTP/HTTPS and ping tests, to support near-100% system uptime.
- Designed and deployed complex phone systems with multiple auto-attendants.
- Developed an AI-powered customer survey tool to gather actionable insights and enhance customer feedback.

EDUCATION

Bachelor of Science — University of Arizona, 1999