

Timmy Weichel

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Leader, Engineer, Veteran, ITIL

I am a seasoned systems engineer, technology leader, and entrepreneur with over 28 years of experience driving innovation, strengthening systems and cybersecurity, and delivering tailored business technology solutions and leadership for organizations of all sizes.

As a consultant and employee, I have led customer technology initiatives that streamline operations, enhance security, and drive technology adoption. These initiatives have played a crucial role in shaping the vision and infrastructure of numerous organizations. I've helped organizations across various sectors realize their full technological potential by consistently implementing strategies that deliver positive business results. I have previously held high-level security clearances and remain eligible for future clearance.

Professional Progression

Helio Sector <https://heliosector.com>

Part-Time 0-40hrs./wk.) June 2020–Present

Partner & Chief Technical Officer (CTO)

Helio Sector is a Technology Success Provider (TSP) start-up that establishes targeted services and support to simplify SMB operations, security, training, and technologies. Responsible for developing the vision, concept, and implementation of the Helio Sector business infrastructure, products, and services. Tim is involved in every aspect of the start-up and guides SMB governance, policies, training, processes, technology, and implementation frameworks to enable SMB customer success. Helio Sector is partnered with leading industry service providers and offers a stable cost structure; Helio Sector provides secure and reliable processes for our customers' businesses.

Tim Weichel Consulting <https://timweichel.com>

(Part-Time 0-40hrs./wk.) 1996–Present

Owner

I offer expert technical consulting services to small and medium-sized businesses, academic institutions, and individuals and pro bono technology services to non-profit organizations. I consistently uphold a high level of satisfaction among my clients.

Consiliant Technologies LLC

(Full-Time 40 +hrs./wk.) 1/2023–12/2024

<https://consiliant.com>, [Consiliant Technologies | YouTube](#)

System Engineer

As a System Engineer at Consiliant Technologies, I bring a consultative approach to every project, designing and implementing technical solutions tailored to each client's unique business needs. With expertise in systems engineering and cybersecurity, I consistently deliver innovative solutions that address both immediate challenges and long-term objectives. Additionally, I write and produce content for a cybersecurity and technology YouTube channel, empowering a broader audience with cutting-edge knowledge.

Global Sustainable Markets (GSM) Holdings Company

(Full-Time 40-70 +hrs./wk.) 5/2021–1/2023

<https://gsmauctioncity.com>, <https://gsmdealcity.eu>

International Director of Systems and Cybersecurity

As a founding technical team member at GSM, I led the deployment of critical technologies from inception to current operations. My role encompassed ensuring ongoing support, including requirements definition,

software procurement, integration, and systems development for GSM's global online trading platforms, productivity suites, and business systems.

I provided leadership of program management, technology evaluation, roadmap development, systems integration, engineering, architecture, strategic planning, and ongoing support for GSM. I was responsible for multi-national systems and security in the European Union (EU) and North America (NA), with global expansion designs. I closely collaborated with the development operations (DEVOPS) team on software, database, and web services projects.

I managed diverse infrastructures, including Microsoft 365 productivity suite, Azure, IONOS, and various Windows/Linux OS versions. I supported Application Servers, Virtual Machine Scale Sets, Azure SQL, Managed Instances, MySQL, MariaDB, and web services. Implemented virtual private networks (VPN), next-generation firewalls (NGFW), and web application firewalls (WAF) adhering to Open Worldwide Application Security Project (OWASP) standards. Additionally, I deployed and managed Azure Virtual WAN and Azure DNS to support many customer domains. Conducted regular internal risk assessments and applied appropriate mitigations. I established a Privileged Access Management (PAM) service for credential and secrets management. I developed and implemented policies, procedures, incident management, training, and a security risk mitigation philosophy aligned with GSM's business requirements.

Impervious Technologies/Virescit Tactical Systems (VTS), LLC (Part-Time 10-40hrs./wk.) Sep 2019–June 2020 **Consultant**

In early 2020, VTS, LLC acquired Impervious Technologies. I played a vital role as a consultant during the acquisition transition period, providing essential services to facilitate a smooth integration of Impervious Technologies into the VTS, LLC framework.

Impervious Technologies, LLC (Full-Time 40hrs./wk.) Aug 2017–Sep 2019 **Co-founder, Chief Technical Officer (CTO)**

At Impervious Technologies, I co-founded an initiative providing affordable cybersecurity products, consulting services, and solutions tailored for small and medium-sized businesses (SMBs). As the CTO, I directed the technical vision, conceptualization, and successful implementation. I developed an SMB cybersecurity framework to simplify complexities for decision-makers, managing all technical aspects of business processes, infrastructure development, training, and support. Responsibilities included integrating service support, collaboration, communication, and cybersecurity services for positive customer business outcomes.

Impervious collaborated with 30-plus service and technology providers, ensuring robust support for SMB customers. Additionally, I spearheaded the development of a comprehensive threat-hunting service support capability for cybersecurity provider customers, involving ongoing tracking and reporting of client customer risks. These services encompassed endpoint and network traffic analysis, with suggested mitigation strategies for client-customer network issues. I standardized threat-hunting reporting formats and created a training curriculum to ensure consistent and reliable weekly reporting by all customer threat hunters.

WiSC Enterprises, LLC (Full-Time 40+hrs./wk.) 2015–Aug 2019 **Senior Systems Engineer and Program Manager**

As Senior Systems Engineer and Program Manager, I led the WiSC-WeST Cyber Engineering Team, overseeing the development of government and commercial technologies in Cyber Warfare, engineering, assessment, and

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training. Notable achievements include establishing the Cyber Logistics bridge contract with NAWCWD, securing follow-on sub-contracts, and conducting research, marketing, and Cyber training for the U.S. Navy.

In a supporting role for NAWCWD China Lake Systems, I was one of the principal engineers and architects for the Cyber Thrust Lead and Cyber Engineering Team. My responsibilities included analyzing Cyber frameworks and assessment models, conducting technical planning, developing cyber assessment procedures, designing cyber lab architecture, overseeing infrastructure deployment, providing training, and coordinating with national cyber experts.

I spearheaded the development of executive and engineering cyber assessment training courses for the NAWCWD Cyber Office, enhancing awareness of regulations, guidelines, and techniques for command engineering, administrative, and program management personnel.

Additionally, I played a crucial role in establishing an Information Technology (IT) governance, policies, risk management, security, and compliance framework and implementation program for WiSC Integrated Technology Services (WiTS). WiTS' mission was to deliver secure, compliant infrastructures, support, and innovation in technology services and products, empowering the company and its employees to support business processes.

Brandes Associates, Inc.

(Full-Time 40hrs/wk.) 2011–2015

Systems Engineer and Technical Projects Lead

As the lead engineer on various classified programs, I was pivotal at the China Lake Naval Air Warfare Center's (NAWC) Weapons Division (WD) System of Systems Development and Integration Division, specifically at the Advanced Systems Integration and Operations Center (ASIC) laboratory.

It enabled the Weapons Systems Center for Integration Lab efforts and led Information Technology Service Management Governance policy, procedures, and Configuration/Change Management efforts.

Provided leadership for ongoing National Geospatial-Intelligence Agency sponsored programs, notably leading Enterprise Challenge as the core engineer on multicast and Full Motion Video distribution architecture and systems integration for exercise-related U.S. Distributed Development and Test Enterprise (DDTE) Combined Federated Battle Lab (CFBL), Coalition Five Eyes Alliance (FVEY) network, and Community of Interest (COI) unclassified networks.

Volunteer and Hobbies

University of San Diego's School of Law Children's Advocacy Institute (CAI) (Vol 0-10hrs/wk.) 1995 – Present

Pro Bono Consultant

I have provided technical and administrative support to CAI on a volunteer basis for over 28 years.

Hobbies:

Technology, photography, video production, 3D printing, woodworking, router-based computer numerical control (CNC) machining, and smart home technologies.