Timmy Weichel

12373 Single Oak Pl ⟫ Lakeside, CA 92040 ⟫ C: 858.254.1755 ⟫ tim@timweichel.com ⟫ Schedule an Interview

TECHNICAL MANAGER AND ENGINEER

Over the past three decades, Tim has acquired an impressive and unique array of experience in systems engineering; design; systems integration; cyber security; project, business, and service management; and active military service. He has effectively supported a wide variety of customers from the intelligence community, government entities, Department of Defense (DoD), educational institutions, commercial ventures, and non-profit organizations. He is responsible for the design, implementation, and support of numerous highly secure accredited systems with a high level of customer satisfaction.

Core Strengths: *Program/Project Management* ■ *Cloud Computing* ■ *Cyber Security* ■ *Training* ■ *Systems Integration Communications/Networking* ■ *Technical Writing/Publishing* ■ *Compliance* ■ *Risk Mitigation* ■ *Research/Development* ■ *Government Cryptographic Systems* ■ *Technical Due Diligence* ■ *Sales/Marketing* ■ *Identity Management*

NOTABLE PROJECTS

✓ Partner and Co-founder of start-up Technology Success Provider (TSP) Helio Sector.

✓ Co-founder, Chief Architect, and CTO of Impervious Technologies, a commercial cyber security company.

✓ Served (2012-15) as the Motion Imagery (MI) distribution and video quality systems engineer in support of the National Geospatial Agency's (NGA) multi-service/agency/nation Enterprise Challenge (EC) intelligence integration/evaluation event to include supporting Limited Objective Events (LOEs). This effort resulted in a significant increase in reliability and quality of video support for the event.

✓ Served as the chief architect of the Metis Matrix Communicator (Metis Switch), designing a high-speed and scalable data/knowledge management communications system with numerous protection level accreditations. Led the project from inception to completion, successfully delivering the system to various key entities, including the US Air Force, the Pentagon, the National Geospatial-Intelligence Agency (NGA), the National Reconnaissance Office (NRO), and the Space and Naval Warfare Systems Center's Tactical Engineering Analysis Lab (TEAL). Created an 80-hour training program.

✓ Functioned as the Global Hawk network administrator for SPAWAR Systems Center in San Diego. Directed exercise and real-time operational networking support for the Global Hawk Unmanned Aerial Vehicle (UAV) program office, supplying networking and security designs.

✓ Created and designed the Naval Special Warfare Information Exchange Subsystem (NSWIXS), a network-based communications system that incorporated tactical and strategic special warfare communications; received a Naval Achievement Medal for efforts during Tandem Thrust 95.

✓ Designed and developed a secure controlled interface (CI) one-way transfer system to migrate data from lower-classified networks to higher-classified networks for DoD and agency customers, which received numerous Director of Central Intelligence Directive 6/3 Protection Level 4 certifications.

✓ Served nearly 12 years as a U.S. Navy Qualified Submariner and Special Forces Communicator.

PROFESSIONAL PROGRESSION

Tim Weichel Consulting https://timweichel.com   (Part-Time 0-40hrs/wk)   1996–Present
OWNER

⊹ Provides professional technical consulting services to commercial SMB, academic, and individual customers. Also provides such services to non-profits on a pro bono basis. Consistently maintains a high degree of satisfaction.

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Helio Sector https://heliosector.com   (Part-Time 0-40hrs/wk)   June 2020–Present

PARTNER AND CO-FOUNDER

▹ Helio Sector is a Technology Success Provider (TSP) start-up aimed at establishing 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 is responsible for guiding SMB governance, policies, training, processes, technology, and implementation frameworks to enable SMB customer success. Partnered with leading industry service providers, and offering a stable cost structure, Helio Sector provides secure and reliable processes for our customers businesses.

Impervious Technologies, LLC/Virescit Tactical Systems (VTS), LLC

                                                        (Part-Time 10-40hrs/wk)   Sep 2019–June 2020

CONSULTANT AS TIM WEICHEL CONSULTING

Impervious Technologies was acquired by VTS, LLC in early 2020.

▹ Provided consultant services during acquisition transition period of Impervious Technologies.

Impervious Technologies, LLC https://improvioustech.com   (Full-Time 40hrs/wk)   Aug 2017–Sep 2019

CHIEF ARCHITECT/CTO

Impervious Technologies provides affordable cyber products, consulting services and solutions for small & medium sized businesses (SMB).

▹ As co-founder of Impervious Technologies, was responsible for the technical vision, concepts, and the successful implementation of both. Developed an SMB cyber security framework to reduce the complexity of cyber security for decision makers. Managed all technical aspects of the business process and infrastructure development, training, and support. Responsibilities included integrating service support, collaboration, communication, and cyber services to effect positive business outcomes.

  o Developed relationships with over 30 service and technology providers to support SMB customers.

▹ Developed a comprehensive threat hunting service capability for a cyber security provider customer to include tracking and reporting risks on an ongoing basis. Reporting included endpoint, network traffic analysis, and suggested mitigation of customer network issues.

  o Developed standard threat hunting reporting format and training curriculum to ensure consistent and reliable weekly reporting by all threat hunters.

▹ Developed and hosted regular internal technical trainings and customer facing webinars to promote empowerment and education of cyber security concepts, business processes, and best practices.

WiSC Enterprises, LLC   (Full-Time 40hrs/wk) 2015–Aug 2019

SENIOR SYSTEMS ENGINEER AND PROGRAM MANAGER

▹ WiSC-WeST Cyber Engineering Team – Responsible for the development of government and commercial technologies and business surrounding the area of Cyber Warfare, engineering, and training. Examples of successes include the establishment of the Cyber Logistics bridge contract with NAWCWD, follow on sub-contracts, and the research, marketing, and Cyber training to the US Navy.

▹ Supported NAWCWD China Lake Systems engineering cyber team as one of the principal engineers and architects for the Cyber Thrust Lead and Cyber Engineering Team. Responsible for Cyber framework and assessment model analysis, technical planning, cyber assessment procedures, cyber lab architecture development, infrastructure deployment, training, and technical coordination with national cyber experts.

- Supported development of the NAWCWD Cyber Office's executive and engineering cyber assessment training courses with the objective of building assessment awareness of regulations, guidelines, and techniques geared toward command engineering, administrative, and program management personnel.

- Supported WiSC Integrated Technology Services (WiTS) to establish an Information Technology (IT) governance, policies, risk management, security, and compliance framework and implementation program. The primary mission of WiSC Integrated Technology Services (WiTS) is to provide excellent; secure and compliant infrastructures, support, and innovation in the delivery of technology services and products to enable and empower the company and its employees in support of the business process.

Brandes Associates, Inc.   (Full-Time 40hrs/wk)   2011–2015

SYSTEMS ENGINEER AND PROGRAM MANAGER

- As lead systems engineer, supported the Advanced Systems Integration and Operations Center (ASIC) at China Lake Naval Air Warfare Center's (NAWC) Weapons Division (WD) System of Systems Development and Integration Division on various programs and projects.
- Supported NAWCWD China Lake Systems engineering cyber team as one of the principal engineers and architects of the Systems Engineering Cyber Team. Responsible for technical planning, cyber lab architecture development, infrastructure deployment, training, and technical coordination with national cyber experts.
- NAWCWD Systems of Systems Development and Integration Division mentor and instructor of government workforce development Cloud Computing effort for 15 lab resident engineers.
- Conducted research of technologies and concepts in high speed networking, storage, computing, and Cloud Computing support for expanding customer requirements.
- Supported Weapons Systems Center for Integration (WSCI) Lab efforts to include:
    - Information Technology Service Management (ITSM) Governance policy, procedures, and Configuration/Change Management (CM) as lead. Obtained ITIL Foundation Certification.
    - Supported ongoing National Geospatial Intelligence Agency (NGA) sponsored programs such as:
    - Enterprise Challenge (EC12 thru 14) as core lead engineer on multicast and FMV distribution architecture and systems integration engineering for all exercise related US (DDTE), CFBL, Coalition (5 Eyes), and COI unclassified networks.

University of San Diego   (Full-Time 40hrs/wk)   2008–2011

SYSTEMS ADMINISTRATOR/IDENTITY MANAGEMENT (IdM) PROJECT LEAD

- Was responsible for the project management of the University's IdM effort. Directed all IdM-related functions, support, and future development. Was responsible for identifying requirements, project scope, and project plans, and systems development planning to establish a viable enterprise Identity Lifecycle Management system. Responsible for coordination, scheduling, and leadership to facilitate across all technical areas and University department business partners.
- Maintained high customer satisfaction rates by providing direct IdM technical and administrative support to University trustees, retirees, alumni, faculty, staff, students, affiliates, and business partners. IdM process and technical improvements resulted in significant reductions in the overall support cost (15%–20%) and increased service levels to ~21,000 customers representing over ~25,000 accounts.