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| **Education:** | | | | | |
| Electronic Warfare Certificate | Community College of the Air Force | 38 Hrs- 99% | | | Completed 1978 |
| BS Electrical Engineering | Pennsylvania State University | 136 Hrs | | | Completed 1985 |
| Enterprise Architecture Certificate (FEAF) | California State University (Hayward) | 16 Hrs- 4.0 | | | Completed 2006 |
| Enterprise Architecture Certificate (DODAF) | California State University (Hayward) | 16 Hrs- 4.0 | | | Completed 2007 |
| MS Engineering Management with specialization in Enterprise Architecture, with Distinction. | National University | 40.5 additional Hrs- 3.871 | | | Completed 2013 |
| **Current Certifications** | | | | | |
| Certified Enterprise Architect (FEAF), Black Belt | FEAC Institute | Obtained: 2006 | | None Expired | |
| Certified Enterprise Architect (DODAF), Black Belt | FEAC Institute | 2007 | |
| Zachman Certified Enterprise Architect, LVL 1 | Zachman International | 2015 | |
| Certified Information System Security Professional & Information System Security Architecture Professional (ISSAP) | **(ISC)2** | **2012, 2015, 2019** | |
| SABSA Foundations | **SABSA Institute** | **2021** | |
| ITIL V3 Foundations | Axelos | 2014 | |
| Project Management Professional (PMP) | PMI | 2013, 2019 | |
| Solace Systems Green Belt | Solace Systems | 2011 | |
| TOGAF | The Open Group | 2019 | |
| Certified Cloud Architect | Cloud Institute | 2020 | | Might Renew | |
| **Selected Skills** | | | | | |
| Enterprise Architecture (FEAF, DODAF, ZIF) | 30 Years | Expert | | | |
| Systems Engineering | 30 Years | Expert | | | |
| Integration (EAI, ESB, SOA, MOM) | 30 Years | Expert | | | |
| Information Security Architecture | 30 Years | Expert | | | |
| Project Management | 30 Years | Expert | | | |
| Capital Planning & Investment Control | 10 Years | Advanced | | | |
| Security Architect | 10 Years | Expert | | | |
| **Honors & Publications** | | | | | |
| FEAC Institute Guest Lecturer | | | 2015 | | |
| Extending the System Engineering V to Measure Transformational Results- Paper | | | 2014 | | |
| A Unified View of Enterprise Architecture as Five Activities- Paper | | | 2013 | | |
| A Reference Architecture for Geospatial Situation Awareness in All Hazards Operations-. Thesis | | | 2013 | | |
| DNDO Governance Award (for establishing governance at DHS DNDO) | | | 2011 | | |
| Honorable Discharge, United States Air Force | | | 1983 | | |
| Air Force Commendation Medal (top 1% of USAF enlisted) | | | 1981 | | |
| Honor Graduate (CCAF Certificate, top 1% of all students, 99%) | | | 1978 | | |
| Graduate With Distinction (National University, MSEM, 3.871) | | | 2013 | | |

Mr. Kern has 45 years of total experience in computers and communications, and 32 in Enterprise Architecture. He does not plan to retire and sometimes takes time off for vacation or training / certification renewal. As an Enterprise Architect, he actively produces artifacts (lists, matrices, drawings and documents). He also manages Enterprise Architecture. He is among the top in his field.

Please note that he has also taken the following continuing education courses: AWS Advanced Architecture; Architecting on AWS; AWS Security Fundamentals; AWS Technical Essentials; DAU Acquisition Management, DAU Systems Engineering; SAU/DHS Systems Engineering Basics; DHS Advanced EVMS. DHS Basic EVMS; DHS Alternatives Analysis / Cost Benefit; DHS Preparing a Winning Business Case; DHS Systems Engineering; AMA Influence Without Authority; DHS/MITRE .govCAR

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| **Selected Employment (to fit on 1 page.)** | | | | | |
| **Max Cybersecurity** | | **2022** | | **2023** | |
| Aided my friend Mike Echols, CEO, to attempt to recover a cybersecurity contract related to OT (Operational Technology) at FDIC and achieve an extension. The effort was unsuccessful. | | | | | |
| **SkyePoint** | | **2020** | | **2022** | |
| Lead Security Architect. Establishing security architecture practice at State Department. Produced a SABSA like architecture including 42 spreadsheets or so, a tailored framework and several supporting documents and slide decks. | | | | | |
| **Alutiiq** | | **2019** | | **2020** | |
| Lead Security Architect: Establish a security architecture practice at USDA. Hired to win contract extension in Nov. 2019 by fixing the Cyber Architecture Practice, and succeeded. Performed architecture for the CDM program, and planned implementation of .govCAR architecture reviews. Produced and reviewed multiple architectures using FEAF and multiple artifacts. Produced and ran the governance board to implement coordinated architecture. | | | | | |
| **Trowbridge & Trowbridge** | | **2017** | | **2019** | |
| Chief Enterprise Architect. Coverage includes DISA Joint Service Provider. Initiated Enterprise Architecture capability, developed prototype EA repository tool, supported business development. I managed a team which produced 25 architectures and over 200 artifacts, and produced many artifacts myself, spanning the complete range of DoDAF SV, OV, StdV, CV, AV and other DoDAF and FEAF viewpoint artifacts. | | | | | |
| **Clear Government Solutions** | | **2016** | | **2017** | |
| At Clear Government Solutions Mr. Kern acts as a consultant regarding security compliance for FEDRamp. Redesigned cloud offering architecture. Produced a dozen large document artifacts supporting the architecture required by the FEDRamp process. | | | | | |
| **Constellation, VP Enterprise Architecture & Practice Manager, CTO** | | **2006** | | **2011** | |
| **2013** | | **2014** | |
| Performed various architecture work for DHS FEMA, DHS DNDO, DHS CBP, other DHS components. CPIC Coordinator, EACOE member, Geospatial Rep. Mr. Kern earned an award for initiating DNDO IT governance. Mr. Kern helped establish the first enterprise architecture practice at DNDO. Mr. Kern acted as Chief Enterprise Architect while a contractor for four years, a rare honor. Mr. Kern acted as liaison to “presidential watch list” programs for FEMA enterprise architecture. Mr. Kern created the “Global Nuclear Detection System” architecture, which became my MS group thesis. Produced many architectures covering most of the DoDAF types (SV, OV, AG, CV, DIV, and PV viewpoint artifacts). Mr**. Kern also acted as** ISSO on 2 systems, reviewed security policies, and performed security reviews when the ISM was occupied as an alternate. | | | | | |
| **TAD-PGS, Chief System Engineer, 2012-2013.** | | **2012** | | **2013** | |
| Cleanup of contract end for DOD OSD Acquisition Visibility, Established the need for functional architecture. Removed a corruption issue at OSD. Produced artifacts for 3 DoDAF architectures, an systems engineering documentation within the DoD acquisition process. | | | | | |
| **Teracore, Director of Enterprise Architecture, 2011-2012.** | | **2011** | | **2012** | |
| Performed enterprise architecture for USCIS. Mr. .Kern’s team filled in several blank areas of the USCIS architecture, and helped to create DHS joint physical/IT security architecture practice. I produced architectures including all required artifacts for DHS ICAM security system and other architectures for USCIS systems, especially a fraud detection system. These were all DoDAF modified for use outside DoD, including mainly OV, SV, StdV Div types. **Mr. Kern acted as ISSO for 1 system, and advised on implementation of merger of physical and logical security for DHS.** | | | | | |
| **PCI, CEO & Chief Architect** | | **1996** | | **2005** | |
| Developed content management and BPM suite, including a hack resistant server that withstood sustained DDOS attacks from state actors. Also supported Enterworks in this time period in development of a workflow system merged with XACTA to remediate vulnerabilities. Also supported a contract to evaluate the Senate Alternate Data Center in 2003. Much more… | | | | | |
| **PRC, Principal Systems Engineer** | | **1987** | | **1995** | |
| Designed the architectures of multiple integrated systems for government, sized from lifecycle costs of 1 million to 800 million plus. Examples: JEDMICS- Joint Engineering Document Management Information System, managed all engineering documents for DoD, ATLAS 2 coordinated all worldwide logistics for the USMC, ELCADD was a large groundbreaking distributed collaborative engineering system for Navy Submarine production, and a dozen other systems. I produced architectures and artifacts for these spanning the complete range of DoDAF v1.5. | | | | | |
| **Control Data, Project Engineer, 1985-1997** | | **1985** | | **1987** | |
| Produced architecture for a nationwide sensor system (audience monitoring), resulting in 2 patents. Mr. Kern produced 5 embedded system board designs. One patent alone was identified as providing the means to sage $3million per year in duplicative phone charges. | | | | | |
| **United States Air Force, SSGT (E5) “below the zone”, 1977-1981. (Including reserve time. Honorable discharge.)** | | **1977** | | **1981** | |
| Mr. Kern served in the 9RTS and 9SRW of the SR-71 strategic reconnaissance program. He was identified by name for initial permanent operations of the SR-71 ELINT and flight data processing operation at Kadena Air Base. He worked up to 90 hours per week in that role, and was awarded the Air Force Commendation Medal for service in the top 1% of all airmen. He played a mission critical role in multiple strategic reconnaissance operations, known only by code-name. | | | | | |
| Note: | | | | | |

Over 2 dozen architectures for other contracts are not shown, covering DoDAF, FEAF, TOGAF architectures and artifacts. Note that in enterprise architecture the job is always the same, you produce architectures consisting of artifacts which are lists, matrices, drawings or documents. The process differs, as DoDAF, TOGAF, SABSA, Zachman and FEAF sequences are all different. I have written 4 volumes containing over 1200 pages of how to do this, which are moderately widely used especially in state and local government, and these have been cited in academic papers over 150 times.