

LAWRENCE "STEVE" ARNETT

Senior Solution Architect | Enterprise Architect | Federal Capture & Modernization Strategy

Odenton, MD

Clearances: Secret (Active) | Public Trust (Active) | MBI (Inactive)

PROFESSIONAL SUMMARY

Senior Enterprise Architect and Technology Strategist with 25+ years of experience across federal civilian, defense, and commercial sectors. Trusted advisor to CIOs, CTOs, capture teams, and mission leaders on enterprise architecture, cloud modernization, IT governance, digital transformation, and solution strategy. Proven ability to translate mission needs and technical constraints into target-state architectures, modernization roadmaps, governance models, and proposal-ready solution narratives. Deep expertise in FEAF, DoDAF, TOGAF, UAF, Zero Trust, SAFe, ITIL, FedRAMP, RMF/ATO, and cloud modernization frameworks, with delivery experience across IRS, CFPB, DCMA, SSA, DHS/CISA, HHS, DoD, and other federal environments. Known for aligning architecture decisions to mission outcomes, reducing technical risk, improving governance maturity, and enabling executive decision-making through clear roadmaps, value streams, visual architecture, and actionable recommendations. Active practitioner of AI-augmented architecture and agentic workflow design.

SELECTED SCALE AND IMPACT HIGHLIGHTS

- Complex Modernization:** Led enterprise architecture for DCMA/DFAS MOCAS legacy mainframe-to-cloud modernization AoA, developing future-state solution alternatives and executive decision artifacts.
- Secure Cloud & Zero Trust:** Architected CFPB Zero Trust roadmap and Azure GCC High secure enclave, aligning cloud, identity, security, DevSecOps, and compliance requirements across federal environments.
- Enterprise Architecture Scale:** Supported IRS architecture across a ~\$1B IT portfolio and designed VDI / mobility strategy supporting 120,000+ endpoints and 600+ applications.
- Executive Advisory:** Supported CIO, CTO, Chief Enterprise Architect, PMO, and senior mission leaders with target-state architectures, migration roadmaps, AoAs, CONOPS, gap analyses, and investment decision briefings.
- Federal Mission Breadth:** Delivered architecture and modernization support across Federal Civilian (e.g. IRS, CFPB, DCMA, Census, CISA, USCG, HHS, USMC, SSA), DoD, and commercial (e.g. Ginnie Mae) environments spanning cloud, Zero Trust, mainframe modernization, ITSM, portfolio rationalization, integration, mobility, and digital transformation.
- Business & Growth Scale:** Co-founded and scaled a public sector consulting firm to 50 employees and \$16M+ in annual revenue; provides solution architecture leadership within a ~\$30M federal small business growth function supporting \$34M+ in awarded value.

CORE CAPABILITIES & TECHNICAL SKILLS

Federal Solution Architecture	Capture & Proposal Solutioning	Cloud, Platform & Modernization
Current/target-state architecture; FEAF, DoDAF, TOGAF, UAF; AoA; CONOPS; gap analysis; application rationalization; BPMN/SysML/UML; architecture roadmaps; governance models	RFP/PWS/SOO analysis; technical, management, and transition volume strategy; win themes; solution narratives; staffing/LOE; BOE; compliance alignment; proposal-ready architecture artifacts	AWS; Azure GCC High/Gov; hybrid cloud; IaaS/PaaS/SaaS; FedRAMP/ATO; 7Rs cloud disposition; mainframe-to-cloud migration; containers; DevSecOps; HCI; VDI/DaaS, AWS CAF, Git/GitHub
Security & Identity Architecture	Integration, ITSM & Enterprise Platforms	Leadership, Governance & Tools
Zero Trust; NIST 800-207; CISA ZTM; NIST 800-53/171; FISMA; RMF/ATO; ICAM; RBAC/ABAC; ZIA/ZPA; CASB; SIEM; micro-segmentation, RAID Mgmt.,	ServiceNow CMDB/ITSM/ITAM/SIAM; Salesforce; MuleSoft; O365; Power Platform; SOA/API/SOAP; event-driven/microservices architecture; HL7/MMIS; EDI	Executive briefings; CoE/PMO; ITIL; SAFe; CPIC/FITARA; TBM/Apptio; FinOps, RAG, MCP, ADKAR/PROSCI; Azure DevOps, Jira/Confluence; Visio/Lucid/; ARIS, Archi, Camunda; AI tools; AI governance; agentic workflows, LangChain LangGraph

PROFESSIONAL EXPERIENCE

Senior Solutions Architect - Growth Team | Makpar Corporation, Centreville, VA

Oct 2024 - Present

- Leads solution architecture leadership within a ~\$30M federal small business growth organization, shaping differentiated technical solutions for priority federal pursuits and contributing to \$34M+ in active pursuit value
- Partners with capture, pricing, delivery, and executive teams to develop iterative solution designs, staffing models, LoE estimates, cost drivers, discriminators, risk mitigations, and executive decision inputs using GovWin, GovTribe, Unanet, and CRM data.
- Drives early customer and partner engagement to map agency pain points, assess capability fit, shape acquisition strategy, identify solution gaps, and position differentiated technical approaches prior to RFP release.
- Coaches and mentors solution architects, SMEs, and proposal contributors on solution design, technical narratives, evaluation criteria mapping, compliance alignment, and proposal-ready architecture artifacts.
- Leverages AI tools including Claude, Copilot, Perplexity, and ChatGPT to accelerate RFP analysis, evaluation mapping, gap identification, and solution narrative development while improving proposal quality and turnaround speed.

Senior Enterprise Architect | 22nd Century Technologies / DCMA, McLean, VA Apr 2024 – Sep 2024

Client: Defense Contract Management Agency (DCMA) – MOCAS Legacy Mainframe Modernization

- Led the enterprise architecture workstream for the DCMA/DFAS MOCAS Legacy Mainframe-to-Cloud Modernization and Stabilization Analysis of Alternatives (AoA), one of DoD's most complex financial system modernization challenges.
- Architected and documented multiple future-state Conceptual Solution Architecture alternatives using SysML, BPMN, DoDAF, and UAF artifacts developed in Archi, Visio, Spark, Lucidchart, and .
- Applied ITIL, FEAF, and DoDAF / UAF frameworks to define architectural constraints, rationalization criteria, and migration patterns: (7Rs), and strategies across mainframe, cloud, and hybrid target states.
- Delivered strategic visualizations and architecture artifacts directly supporting executive decision-making on system disposition and cloud transition pathway selection.

Senior Manager – Enterprise Architect | Ernst & Young (EY), McLean, VA

Aug 2021 – Apr 2024

Client: Consumer Financial Protection Bureau (CFPB) | EY GPS Federal Practice

- Spearheaded the design and delivery of FEAF-compliant current-state, near-term, and target-state enterprise architectures for CFPB, encompassing application, integration, security, and infrastructure domains.
- Architected CFPB's Zero Trust implementation roadmap anchored to NIST 800-207 and the CISA ZT Maturity Model, integrating Zscaler ZIA/ZPA, CASB, RBAC/ABAC, ICAM, FinOps, micro-segmentation, SIEM, and DevSecOps across cloud and on-premises environments.
- Designed and governed EY's Microsoft Azure GCC High (MSP) infrastructure architecture — a new secure application enclave (3PAO-certified) within Azure Government Cloud — incorporating NIST SP 800-53/171 controls for FISMA compliance.
- Optimized CFPB's ServiceNow CMDB design to improve CI tracking, ITAM, SIAM, and FISMA/SLA reporting accuracy, elevating ITSM maturity across the enterprise. ServiceNow technical and user access administration (fields/tables/forms), CSDM model, and workflows. Administration and management of Jira projects for CFPB portfolio.
- Led Center of Excellence (CoE) governance sessions, delivered executive roadmap presentations, and drove gap analysis and application rationalization initiatives, directly supporting the CFPB Enterprise Architecture Lead's strategic agenda.
- Partnered with EY State & Local teams to extend Medicaid Management Information System (MMIS) solutions across additional states, expanding the firm's healthcare IT architecture footprint.

Technology Strategist – Enterprise Architecture | Federal Working Group, Inc., Arlington, VA May 2020 – Aug 2021*Client: US Census Bureau – CIO / CTO / Chief Enterprise Architect Support*

- Delivered enterprise architecture and IT strategic planning support directly to the Census Bureau CIO, CTO, and Chief Enterprise Architect, informing investment decisions aligned to the Bureau's long-range technology vision.
- Led FEAF-compliant architecture development spanning Microsoft Azure and AWS enterprise environments, including application rationalization, migration strategies (7Rs), business capability mapping, and BPMN process modeling. Business capabilities are linked to services, platforms, applications and underpinning infrastructure in ServiceNow.
- Architected and facilitated cross-functional governance sessions, driving organizational change, establishing collaborative frameworks that aligned technology planning across enterprise, program, and mission stakeholders.
- Produced actionable strategic plans, architecture / migration, transition roadmaps, and governance frameworks that laid the foundation for the Bureau's future technology initiatives.

Enterprise Architect | AVER, LLC / DHS CISA, Arlington, VA

Mar 2020 – May 2020

Client: Cybersecurity & Infrastructure Security Agency (CISA)

- Supported CISA's System Engineering Life Cycle (SELC) activities, developing and disseminating technical architecture documentation, playbooks, and design artifacts including CISA Gateway Solution CONOPS.
- Produced required technical, systems, and functional architecture views, DoDAF, (BPMN, NIST SP 800-53/207) for CISA system components and enterprise architecture engineering programs. All related initiatives, epics, features and user stories defined and tracked in Jira linked to Confluent mission defined mission objectives.

Enterprise Architect (SME) | Technology Management Resources / US Coast Guard, DC Jan 2020 – Mar 2020*Client: USCG C4IT Mission Support Office – Cloud-Hosted HR/Payroll ATO*

- Developed the Business Case Analysis (BCA) for USCG cloud migration solutions, evaluating infrastructure alternatives and transition approaches for the greenfield cloud-hosted HR/Payroll system, managing technical efforts via Jira.
- Supported FedRAMP Authorization to Operate (ATO) at Impact Level 4/5, including development of System Security Plans (SSP), DoDAF, POAMs, and cloud Interconnection System Agreements (ISA) with architectural network diagrams.

Senior Technical Architect | Appertain LLC (BAH) / IRS, New Carrollton, MD

Mar 2016 – Dec 2019

Client: IRS Enterprise Services (ES) – Infrastructure Strategy Group (ISG)

- Provided ongoing strategic architecture and analysis-of-alternatives support to the IRS Enterprise Architecture organization across a ~\$1B portfolio encompassing Microsoft Exchange, SharePoint, Enterprise Mobility, VDI, and cloud strategy.
- Led the IRS Next Generation Infrastructure (NGI) Cloud Service Provider (CSP) program, developing enterprise technical requirements, cloud risk management framework compliance documentation, and gap analysis for compute, storage, and Hyper-Converged Infrastructure (HCI).
- Drove CPIC/FITARA Application Portfolio Management (APM) reviews for IRS mission-critical applications, delivering cloud readiness assessments and strategic disposition recommendations (refactor, replace, retire) to senior leadership.

- Governed the Enterprise Mobility Technical Working Group, facilitating bi-weekly stakeholder sessions to vet EMM/MDM vendor alternatives, align RMF/ATO compliance, and define functional and technical requirements for enterprise mobile solutions.
- Developed security architectures for major IRS customer-facing programs including IVES (Form 4506-C), Information Returns Modernization (IR Mod), Taxpayer First Act (TFA), IR Works (KSIAM-to-ServiceNow migration), ServiceNow technical and user administration (fields/tables/forms), CMDB/CSDM, ACA, and FATCA.
- Architected hybrid FedRAMP-certified cloud and Office 365 solution for IRS Electronic Records Management (ERM) — IT eDiscovery and eFOIA — traversing cybersecurity-protected zones via VPN/NetBond.

Senior Manager, Consulting – IT Strategy & Architecture | Peridot Solutions LLC / HHS, Washington, DC Oct 2015 – Mar 2016

Client: HHS CIO Information Technology Infrastructure Office (ITIO) PMO

- Served as Technical Lead for ITIO PMO, advising the CIO organization on the transition from a CO/CO to GO/CO service delivery model, including cloud readiness assessments and DevOps enablement strategy.
- Defined, coordinated, and governed business and technical requirements for major IT acquisitions, overseeing architecture decisions across IaaS, SaaS, and PaaS platforms.
- Rationalized ITIL/ITSM operational processes in ServiceNow (CMDB / CSDM, ITAM, Discovery), creation / refinement of supporting ServiceNow workflows, SLAs, and performance metrics to improve service delivery visibility.
- Developed the ITIO Service Asset and Configuration Management (SACM) Plan and identified HHS-to-CMS interface requirements for MMIS integration.
- Prepared acquisition-related deliverables including Technical Requirements, SOWs, IGCEs, and organizational change management impact analyses for new technology introductions.

Senior IT Strategist / Portfolio Analyst (Part-Time) | Peridot Solutions LLC / USMC Systems Command 2015 – 2016

Client: US Marine Corps – MCEN IT Portfolio Analysis

- Led agile IT portfolio analysis and rationalization across classified and unclassified MCEN domains, DoDAF, producing executive dashboard visualizations with KPIs briefed to senior C4 and MARFORSYSCOM leadership.
- Recommended TBM framework playbooks (Apptio CTF) and RMF-aligned IT cost transparency strategies (FinOps) to support USMC-wide cost reduction and application rationalization.
- Developed future-state technology roadmaps identifying architectural vision, technical debt reduction targets, and IT asset rationalization opportunities.

IT Strategic Planner / Enterprise Architect | Software Tech Enterprises / SSA, Baltimore, MD Jul 2015 – Oct 2015

Client: Social Security Administration – Customer Engagement Tools (CET) Strategic Product Plan

- Applied the Scaled Agile Framework (SAFe) to develop FEAF-compliant architectural themes, customer journey maps, business capabilities, and agile release trains for SSA's multi-channel CRM modernization program.
- Defined architecture and business release paths — including CMS/MMIS interface design — decomposed to epics, features, and user stories across multiple agile sprints.
- Assessed SOA service readiness and architectural security impacts for high-impact lines of business, producing implementation roadmaps and playbooks recognized by Software Tech with an Outstanding Performer award.

Project Manager – ACA Architectural & Engineering Support | VIRE Consulting Inc. / IRS, New Carrollton, MD

Jan 2015 – Jul 2015

- Led a cross-functional team of systems, software, infrastructure, and cybersecurity engineers providing technical SME and IT Asset Management support (KISAM) to the IRS ACA PMO and Solution Engineering group.
- Managed cost, schedule, staffing, and quality (QASP/CPARS) objectives for the ACA engineering support contract, ensuring SLA adherence and stakeholder satisfaction.

Program / Project Manager | Software Tech Enterprises / Ginnie Mae, Washington, DC Oct 2014 – Jan 2015

Program: MISMO (Mortgage Industry Standards Maintenance Organization) Data Exchange Standards Adaptation

- Managed implementation of MISMO data exchange standards across Ginnie Mae's IT portfolio, coordinating two major software contractors, integrated project planning, and risk/issue governance reporting to the Ginnie Mae PMO.

Enterprise Architect – ACA & FATCA Programs | Booz Allen Hamilton / IRS, New Carrollton, MD Jan 2014 – Oct 2014

- Developed technology reference architectures and implementation plans for IRS's Disaster Recovery-as-a-Service (DRaaS) infrastructure, supporting ACA and FATCA programs across two enterprise datacenters in an Active-Active configuration.

Chief Architect – IT Strategy | SAIC/IES / IRS, New Carrollton, MD

Oct 2010 – Jan 2014

Program: Infrastructure Strategy & Investment Planning (ISIP) – ~\$1B IRS IT Portfolio

- Led enterprise-wide infrastructure strategy across a ~\$1B IRS IT portfolio, directing conceptual and logical architectures for servers, storage, networking, SAN, backup/DR, cloud, and mobile devices.
- Developed and championed the IRS Enterprise Mobility Strategy — including governance model, CoE formation, current/future state architectures, BYOD policy framework, and DaaS/Mobile App alternatives — reported to the Senior Executive Steering Committee.
- Led the IRS VDI Application and Infrastructure Strategy program, architecting a solution to provision 120,000+ client endpoints and 600+ applications via virtualization (VMware/Citrix), aligned to IRS ITIL/ITSM/ITAM/SIAM principles.
- Defined, planned, and led proof-of-concept and pilot infrastructure architectures within the IRS SELC (MS1–MS5) lifecycle, providing cost-benefit analyses, security assessments, and NIST/FISMA compliance documentation.
- Directed capital planning, technology roadmaps, and portfolio reviews (CPIC), providing strategic recommendations on application rationalization, cloud adoption, and infrastructure modernization to IRS senior leadership.

Enterprise Architect / Principal Consultant | Software Tech Enterprises / Lockheed Martin / SSA, Baltimore, MD
Oct 2007 – Oct 2010

Programs: WDPE, Health IT Exchange Initiative, IT Technical Plan & Roadmap (\$55M)

- Served as Technical Advisor to the SSA Project Manager for the agency-wide, multi-year \$55M IT Technical Plan and Roadmap implementation, governing PMO activities, IT governance (CoBiT/ITIL), and organizational change management (ADKAR/PROSCI).
- Architected the SSA Windows Development and Production Environment (WDPE) — a CMMi-compliant, highly available, virtualized (VMware) environment supporting 3,500+ geographically dispersed Windows developers — including a seven-year cost model, governance framework, and Release Management plan.
- Served as founding architect on SSA's Health IT Exchange Initiative (HIT), designing electronic medical records (EHR) integration with SSA's Medicare/Medicaid (MMIS) disability determination processes using HL7 standards.
- Established and governed 10 active working groups under a new IT Governance Steering Committee; developed policies, CMDB practices, ALM strategy, and application rationalization recommendations delivered to SSA executive leadership.
- Recognized by Lockheed Martin with an Outstanding Service Award for contributions to the WDPE project's successful advancement.

Consulting Practice Manager – East Region | Westin Engineering, Inc., Silver Spring, MD May 2006 – Oct 2007

- Led regional consulting practice P&L, business development, and service delivery across IT Strategic Planning, Asset Management (EAM/Maximo), CRM, ERP, and CMMS engagements for municipal utility clients including Henrico County DPU, LCSA, OMU (Kentucky), and the city of Chicago's MWRDGC.
- Delivered IT Strategic Master Plans incorporating enterprise architecture, application rationalization, and technology roadmaps, enabling utilities to modernize operational technology (ITSM / ITAM) and financial systems.

CTO / Program Manager / Principal Consultant | Enterprise Technology Partners, LLC (ETP), Alexandria, VA
Oct 2000 – May 2006

- Co-founded and scaled IT consulting firm from startup to 50 employees and \$16M+ in annual revenue, building and managing the Washington, D.C. public sector practice from the ground up.
- Delivered full-lifecycle enterprise architecture, FEAF/TOGAF-compliant IT strategy, PMO, and digital transformation engagements for federal and state clients including HHS/CMS, DoD, HUD, GOAA, JAA, JEA, and the Executive Office of the Governor of Florida.
- Served as primary turnaround leader for at-risk client engagements, applying Six Sigma (Pareto analysis) to diagnose root causes and redirect project teams to successful delivery.

Principal / Lead Consultant | PricewaterhouseCoopers (PwC), Fairfax, VA Jun 1998 – Oct 2000

- Led and participated in public sector consulting engagements including full-lifecycle Oracle Financials ERP implementation (DoEd), Market Assessment Database design (HUD), Y2K Readiness & Contingency Analysis (FAA), and DFAS/NCUA advisory projects.

EARLIER CAREER

- Director of Information Technology, Pulsar Data Systems (1997–1998): Led IT strategy, IS security, EDI implementation (X12 837/835/278), and e-commerce Internet B2B platform development for a federal government system integrator.
- Assistant Circuit Executive for Automation (IT Director), U.S. Courts / D.C. Circuit Court of Appeals (1995–1997): Managed IT staff; directed LAN/WAN infrastructure, COTS integration, information security architecture, and the court's first intra/internet websites for the Chief Judge and Circuit Executive. Collaborated with AOUSC.
- Additional early experience: Washington Convention Center (IT/Telecom Manager), EDS, CSC, GTE SpaceNet, System Automation Corporation – roles spanning development, systems engineering, programming, and IT consulting.

EDUCATION & CREDENTIALS

Applied Agentic AI for Organizational Transformation Certificate – MIT Professional Education

Designing and Building AI Products and Services Certificate – MIT xPRO

Applied Generative AI Certificate – Johns Hopkins University Executive Education (June 2026)

Master of Science, Cloud Computing Systems (2023) – University of Maryland Global Campus (UMGC)

Graduate Certificate: Cloud Computing & Networking (2022) – UMGC

Bachelor of Science, Computer Science (Candidate) – University of Maryland, College Park

Bachelor of Music Education (B.M. Ed.) – University of the District of Columbia

Certifications & Training: (Current and In-Process)

ITIL Foundations | Security+ | Azure Foundations | AWS Foundations | PMP Program – Boston University | Cloud FinOps | Technology Business Management (TBM) | SAFe | ServiceNow CMDB | VMware vSphere | Microsoft TechEd

Professional Affiliations:

Association of Enterprise Architects (AEA) | TBM Council | IEEE Computer Society | PMI | ISACA | AFCEA | ACM, SABSA

Selected Publications:

"Transforming Data into Information," IWEA Conference, 2006 | "Streamlining Decision Support with Business Intelligence Systems," 2006 | "Facing the Fears of Client-Server Computing," 1992