

TEDDY L. DOUGLAS

Laurel, Maryland



Clearance: Public Trust | IRS Moderate Background Investigation (MBI)

PROFESSIONAL PROFILE

Senior data architecture professional with more than 20 years leading large-scale modernization across local, federal and state agencies, including the Department of Veterans Affairs, Food and Drug Administration, Department of Homeland Security, Department of Energy, Federal Aviation Administration, Department of State, and District of Columbia. Trusted advisors to CDOs, CIOs, and executive governance boards on enterprise data platforms, cloud migration, secure analytics, and modernization strategy in high-risk, regulated environments. Recognized for governing national-scale data platforms and federated architectures that directly support business objectives, compliance, and executive decision-making. Regularly entrusted with enterprise-level architecture approvals and platform strategy decisions where failure would materially impact national mission delivery.

LEADERSHIP & ENTERPRISE IMPACT

- Led enterprise governance, compliance, risk management, and modernization initiatives supporting highly regulated Federal organizations.
- Established governance operating models, risk management frameworks, stewardship programs, and compliance controls aligned with organizational objectives.
- Directed implementation of responsible AI, data governance, privacy-as-code, and information management practices supporting enterprise modernization.
- Advised executive leadership on governance readiness, regulatory compliance, operational risk mitigation, and emerging technology adoption.
- Facilitated collaboration across business, legal, compliance, cybersecurity, architecture, and operations organizations to operationalize governance requirements.
- Developed governance artifacts including policies, standards, procedures, risk matrices, operating models, stewardship frameworks, and implementation roadmaps.
- Served as senior technical authority supporting IRS enterprise data modernization, governance, and platform strategy across mission-critical tax administration systems
- Served as senior technical authority for enterprise data engineering, architecture, and governance initiatives supporting Federal mission systems at national scale
- Directed modernization of legacy data environments into secure, cloud-native and federated platforms enabling analytics, reporting, and operational decision-making
- Defined and enforced enterprise data governance operating models, metadata standards, data quality controls, and lifecycle management frameworks adopted across agencies
- Provided authoritative review and approval of solution architectures to ensure compliance with Federal security, privacy, and data management standards
- Advised executive leadership on modernization investment decisions, platform strategy, risk mitigation, and long-term sustainability
- Led and mentored senior architects, data engineers, and technical leads across Agile and SAFe delivery models

TECHNICAL EXPERTISE

Enterprise Data Governance, Metadata & Lineage Management
Data Protection & Information Governance
Data Stewardship & Accountability Frameworks
Cross-Functional Executive Stakeholder Management
Enterprise Data Engineering & Architecture
DMBOK and CMMI-DMM Frameworks
Federal IT Modernization & Platform Strategy
Cloud Platforms: Microsoft Azure, Databricks, Palantir Foundry
Secure Data Pipelines, ETL, and Data Lifecycle Management
Federal Compliance, Privacy, and ATO Environment
Privacy Impact Assessments (PIA)

Federated and Data Mesh Architectures
Advanced SQL and Query Optimization
CI/CD and DevSecOps Practices
Enterprise Data Modeling: Conceptual, Logical, Physical, Canonical
Medallion Architecture Data Ingestion Design Pattern
ISO/IEC 11179 Metadata Registry
Executive Advisory & Stakeholder Leadership
Agile, SAFe, and Incremental Delivery Models

PROFESSIONAL EXPERIENCE

ANALYTICA, LLC

Senior Data Governance & Architecture Advisor

Food and Drug Administration, Center for Tobacco Products
Bethesda, MD | September 2025 – Present

- Served as senior data governance and architecture authority supporting enterprise data modernization initiatives
- Advised on enterprise AI-driven data governance and data management leadership to support analytics modernization initiatives. Defined enterprise data governance policies, standards, and operating procedures to ensure data quality, integrity, and regulatory compliance
- Supported governance board operations, including role definition, stewardship models, and adoption strategies to mature enterprise data management capabilities
- Advised on best-practice guidance (i.e., Data Mesh, DAMA-DMBOK, CMMI-DMM, CRISP-DM) to advance governance maturity and analytics readiness
- Developed governance artifacts, implementation roadmaps, risk mitigation strategies, and operational processes supporting enterprise transformation initiatives.
- Advised leadership on responsible AI practices, governance readiness, metadata management, data quality controls, and risk management frameworks.
- Collaborated with business and technical stakeholders to operationalize governance requirements through repeatable processes, standards, and governance controls.

BOOZ ALLEN HAMILTON

Lead Associate / Senior Data Manager

McLean, VA | October 2019 – April 2025

Internal Revenue Service (IRS) – Data Governance Program

- Served as senior technical authority within the IRS Enterprise Architecture Division, advising executive leadership on enterprise data platform strategy, modernization priorities, and risk tradeoffs impacting national tax administration systems.
- Advised executive leadership on governance operating models, regulatory compliance, privacy requirements, and enterprise risk mitigation strategies.
- Directed enterprise data architecture and governance strategy for the IRS Enterprise Data Platform, establishing target-state designs, lifecycle governance, and metadata and data quality controls adopted across the organization.
- Provided authoritative review and approval of solution architectures to ensure alignment with federal security, privacy, and data management standards across federated IRS systems.
- Oversaw design and implementation of enterprise-scale data ingestion and analytics pipelines supporting compliance, reporting, and operational decision-making.

Department of Veterans Affairs – Summit Data Platform (SDP)

- Led Azure-based data ingestion and conditioning pipelines supporting enterprise analytics initiatives
- Directed provisioning, access control, and production deployment activities within ATO-compliant environments
- Oversaw platform proofs of concept, including security and compliance integrations

Department of Veterans Affairs – Financial Services Center (DAS)

- Advised executive leadership on CDO priorities and enterprise data governance strategy
- Facilitated adoption of the CMMI Data Management Maturity framework to assess and improve enterprise data capabilities
- Directed development of the DAS metamodel and enterprise data catalog aligned to federated architecture strategy
- Advised leadership on governance operating models, regulatory compliance, privacy requirements, and enterprise risk mitigation strategies.

Health and Human Services – Office of Inspector General (OIG)

- Established the organization's enterprise data governance program, receiving formal recognition for impact
- Provided senior-level data architecture guidance supporting integrated analytics and decision-making

INSIGNIA TECHNOLOGY SERVICES

Senior Data Architect / Team Lead

Veterans Affairs Architecture & Engineering Division
Newport News, VA | July 2017 – October 2019

- Served as Data Domain Lead for VA enterprise architecture modernization efforts
- Facilitated continuous collaboration with senior architects to support the ongoing maturation of the Veterans Affairs Enterprise Architecture Repository (VEAR) and managed Agile SDLC development within the VEAR data domain.
- Provided data architecture and solution architecture support during the planning and execution of significant VA innovation efforts, ensuring proper integration of VA-wide modernization programs.
- Supported assigned Domain Data Stewards with development and management of their Data Models

- Directed senior architects developing reusable, subject-area-driven enterprise data models recognized as Federal best practice
 - Provided technical oversight throughout the iterative development of a Veteran Affairs Subject Area-Based Enterprise Logical Data Model (ELDM) and a central dictionary of standardized common business vocabulary.
 - Developed conceptual and logical data models for submission to the VA Executive Data Governance Council (DGC) for approval and baseline within the VA ELDM.
 - Led design and approval of the Enterprise Logical Data Model, including standardized semantics and governance artifacts
 - Established frameworks for data quality, master data management, metadata integration, and deduplication
 - Oversaw Agile delivery of the VA Enterprise Architecture Repository
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LEIDOS

Senior Data Architect

Reston, VA | January 2017 – July 2017

- Established a subject area data architecture approach to define the current and future-state data architecture for the Department of Veterans Affairs (VA).
 - Provided comprehensive support in data architecture, management, and governance to the Veteran Affairs Enterprise Architecture Office and VA executive government representatives.
 - Collaborated with designated Subject Area Data Stewards and Subject Matter Experts (SMEs) to develop Subject Area Conceptual and Logical Data Models.
 - Prepared and submitted data model packages to the Data Governance Council (DGC) for review, approval, and publication.
 - Worked alongside the Leidos tools team, utilizing an Agile Software Development Life Cycle (SDLC) approach, to create database designs supporting the capture and management of the VA Enterprise Data Architecture, including subject area data models, data dictionaries, and essential metadata within the Veteran Affairs Enterprise Architecture Repository (VEAR).
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RIGIL Corporation

Senior Data Architect – Federal Aviation Administration (FAA)

Washington, DC | November 2016 – January 2017

- Provided data architecture and modeling leadership supporting FAA web services and enterprise data exchange initiatives
 - Maintained conceptual, logical, physical, and canonical data models enabling system interoperability and integration
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NextGen Consulting, Inc.

Senior Technical Project Manager – Department of State

Washington, DC | June 2016 – September 2016

- Led modernization of a legacy NSDD-38 application supporting international hiring workflows
 - Automated application processes within the Department of State Enterprise SaaS platform (ServiceNow)
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Enterprise Business Strategies

Senior Enterprise Data Architect – National Credit Union Administration (NCUA)

Laurel, MD | September 2015 – May 2016

- Analyzed the current-state technical environment of NCUA and recommended a data-centric (Subject Area) approach for modernizing NCUA legacy systems and establishing an NCUA data warehouse.
 - Deployed the enterprise data management tool Erwin Workgroup Edition to reverse engineer the current data assets, facilitating the discovery, analysis, and organization of these assets into Subject Areas (SA) for potential reuse in future-state data architecture.
 - Created data Subject Areas and organized legacy tables within these SAs for the prospective implementation of the proposed Enterprise Data Model (EDM) and associated enterprise data.
 - Provided senior-level management with a recommended enterprise data strategy to ensure the successful implementation of an enterprise data architecture and enterprise data warehouse in a SQL Server database environment.
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SAIC

Senior Enterprise Solutions Architect & Team Leader – National Archives (NARA)

McLean, VA | October 2013– September 2015

- Facilitated meetings with executive management and stakeholders while developing comprehensive stakeholder requirements for NARA's Researcher Registration System (RRS) and Electronic Performance Management System (ePMS).
- Developed the RRS and ePMIS) Concept of Operations (CONOPS) and SaaS alternatives.
- Presented executive briefings to inform stakeholders and executive management on the technical recommendations for a solution solution.

- Developed comprehensive requirements for a cloud-first enterprise-wide storage and backup solution and developed a Concept of Operations CONOPS that included stakeholder storage requirements and a governance approach for cloud storage management and backup.
- Conducted market research and analysis of alternatives of potential Fed ramp Cloud Databases as a Service (DaaS) and Storage as a Service (SaaS) providers.

Creative Information Technology Inc. (CITI) Tech

Sr. Data Manager & Technical Project Manager – Department of State (DoS)

North Falls Church, VA | April 2011– October 2013

- Provided comprehensive data analysis, data architecture, and data governance services to the Application & Data Coordination Working Group (ADCWG). Designed and implemented a robust six-phase repeatable enterprise data governance process framework that was widely adopted by ADCWG.
- Successfully implemented the Department of State Master Data Management (MDM) solution. Deployed the initial ADCWG-approved dataset in the Master Reference Data (MRD) application and established automated distribution of standardized data to the Data Management subscriber utilizing the MRD Subscription Service Module and Oracle Enterprise Service Bus (ESB) technology.
- Established the Enterprise Meta Repository (EMR) using the metadata product Rochade.
- Employed Agile Scrum methodology and the Continuous Integration (CI) Tool Suite JIRA to support the iterative implementation of the Department of State's enterprise reference data management and distribution (subscription services) solution.

ICF

Senior Architect & Data Manager – Department of Energy (DOE)

Fairfax, VA | August 2010 – April 2011

- Provided senior enterprise architecture, data architecture, business architecture, and project management services for the Department of Energy (DOE) Energy Information Administration (EIA). Conducted an analysis of the current data architecture and recommended a data-centric approach for modernizing legacy systems.

EARLIER CAREER EXPERIENCE

Senior Solutions Architect | Data Engineering & Architecture Leadership

State | Federal | International Organizations | 1994 – 2008

- Collaborated with executive leadership, legal, compliance, and technical organizations to ensure governance and regulatory requirements were integrated into operational processes and technology solutions. Led enterprise modernization, governance, and enterprise data architecture initiatives across Department of Homeland Security, Department of Energy, Department of State, District of Columbia, Department of Justice, Coast Guard, and Inter-American Development Bank
- Led large-scale COTS modernization initiatives across Federal and state agencies
- Managed teams of up to 40 technical professionals delivering enterprise data governance, metadata management, and mission-critical analytics capabilities.
- Directed enterprise data modeling and architecture supporting logistics, healthcare, and financial systems
- Collaborated with executive leadership, legal, compliance, and technical organizations to ensure governance and regulatory requirements were integrated into operational processes and technology solutions.

EDUCATION

Bachelor of Science, Computer Science and Mathematics

Hampton University

CERTIFICATIONS

Certified Data Management Professional (CDMP); Project Management Professional (PMP); AI Aware
