AMERICSOFT SOLUTIONS INC.

Capability Statement

Federal IT • Agentic AI • Data & Cloud Modernization

Overview

AmericSoft Solutions Inc. is a U.S.-based technology firm specializing in the development of Agentic AI, AI-driven automation, and modernization of data platforms for both federal and commercial client. We create secure, production-grade AI agents that facilitate the automation of knowledge work across various documents, workflows, and enterprise data platforms. Our expertise extends to data engineering, cloud modernization, and multi-system integration. AmericSoft is committed to delivering impactful outcomes by integrating agent orchestration, governed enterprise data, and scalable cloud platforms. This approach enhances mission execution, accelerates decision-making processes, and reduces operational costs.

Business Information :

- Legal Name: AmericSoft Solutions Inc.
- UEI (SAM): KYQFEQBDN4L6
- CAGE Code: 03M07
- SAM.gov Registration: Active
- Business Type: Small Business

Ferderal Mission Area :

- Agentic AI & Automation
- Enterprise Data Platforms / Data Lakehouse
- Cloud Modernization (Multi-cloud / Hybrid)
- Advanced Analytics & Decision Support
- Aviation & Defense Data Ecosystems

NAICS Codes :

- 541512 : Computer Systems Design Services
- 541511 : Custom Computer Programming Services
- 541513 : Computer Facilities Management Services
- 541519 : Other Computer Related Services
- 518210 : Data Processing, Hosting, and Related Services
- 541611 : Administrative Management & General Consulting

Core Capabilities

Agentic AI Development & Automation

- Agentic AI solutions for workflow automation and operational efficiency
- LLM-powered document understanding, summarization, extraction, and compliance mapping
- Agent-based case management / task orchestration across enterprise systems
- Secure RAG (Retrieval Augmented Generation) patterns with enterprise knowledge bases
- Human-in-the-loop review workflows for governance and auditability

Data Agentic Solutions (Data Lake Queries + Analytics)

- AI agents that support natural-language to governed query for data lakes/lakehouses
- Metadata-aware query assistance (schemas, catalogs, glossaries)
- Automated data discovery, dataset recommendations, and analytics acceleration
- Controlled access patterns aligned to least privilege and policy enforcement

Cloud & Platform Engineering (Multi-Cloud / Hybrid)

- Cloud migration & modernization (AWS, Azure, Hybrid)
- Platform engineering + DevSecOps pipelines
- Secure cloud-native architecture, containerization, and IaC patterns
- Integration across multi-cloud and multi-system environments

Data Engineering & Modern Data Platforms

- Enterprise Data Lakes / Lakehouse architecture and implementation
- Ingestion, transformation, orchestration, and data quality automation
- Data governance, lineage, cataloging, and master/reference data strategies
- High-volume pipelines for mission and analytics workloads

Application Modernization & Integration

- Legacy modernization, APIs, microservices, enterprise integration
- Scalable backend services for data/AI products
- Secure integration with identity, access controls, logging, and monitoring

Past Performance Highlights

① Aviation & Defense Data Ecosystems

- Supported aviation and defense data management initiatives
- Experience with F-35 / aviation prognostic & health management data ecosystems
- Built pipelines enabling analytics and operational insight at scale

② Enterprise Data & Cloud Modernization

- Designed and implemented secure enterprise data platforms
- Delivered modernization solutions across multi-system environments
- Enabled analytics acceleration through scalable cloud and data engineering

Differentiator

- **AI-first delivery:**
  Agentic systems are designed into the architecture from day one, automating decisions and workflows that map directly to measurable outcomes reduced cycle time, higher accuracy, and operational lift you can actually quantify.

- **Governed AI:**
  Our systems are built with security, auditability, and policy enforcement baked insupporting controlled data access, traceability, and compliance with federal and regulated-environment standards.

- **Aviation & defense-grade data experience :**
  We've operated in high-trust, high-consequence environments where data integrity, latency, and reliability are non-negotiable. That experience translates into systems that perform under pressure and meet mission-critical requirements.

- **Practical engineering focus:**
  Every solution is designed for reliability, maintainability, and scale tested in real operating conditions and ready to run long after deployment, not just impress on day one.

- **Data + AI + Cloud combined:**
  We deliver data engineering, AI/ML, and cloud infrastructure as one integrated motion, ensuring models are trained on the right data, deployed on the right platforms, and scaled without friction.

TECHNOLOGY ECOSYSTEM EXPERIENCE

- **Multi-cloud environments:** Delivery across AWS, Azure, and hybrid architectures supporting secure, scalable, and regulated workloads.

- **Enterprise data platforms:** Hands-on experience with Palantir Foundry and Databricks for large-scale data integration, analytics, and AI enablement.

- **Distributed query engines:** Deployment of Starburst / Trino to enable high-performance, federated analytics across heterogeneous data sources.

- **Data governance & analytics ecosystems:** Implementation of data catalogs, governance layers, and analytics stacks to ensure trusted, compliant, and discoverable data.

👥 Our Clients