



Integrating data, intelligence, and security for mission-critical systems.

Quadrature builds the data platforms, machine-learning systems, and security architecture that federal missions run on, engineered for scale, compliance, and measurable results. Every engagement is led by senior practitioners who have built data platforms, deployed models, and hardened systems in production.

SBA Small Business

UEI M8MNPX6LS268

CAGE 7XMW2

NIST 800-53

NIST AI RMF

FISMA

FedRAMP

Section 508

WHAT WE DO

One engineering standard, across every discipline.

We bring data, AI, cloud, and security together so each reinforces the others.



Data Engineering

Reliable pipelines, lakehouses, and streaming platforms that turn raw data into a trustworthy, query-ready asset.

Spark

Databricks

Kafka

dbt



AI / ML

Production machine learning and generative AI — from RAG and LLM systems to computer vision and forecasting.

LLMs / RAG

Computer Vision

PyTorch



Cybersecurity

Zero-trust architecture, cloud security, and compliance engineering that protect data and pass the audit.

Zero Trust

NIST 800-53

FedRAMP



AIOps

AI-driven IT operations — anomaly detection, observability, and automated remediation that keep systems healthy.

Observability

Anomaly Detection

SRE



MLOps

The operational backbone for ML — CI/CD for models, registries, monitoring, and drift detection across the lifecycle.

CI/CD

Model Registry

Drift Detection



Data Science

Rigorous analysis, statistical modeling, and experimentation that turn data into decisions you can defend.

Statistics

Experimentation

Forecasting

CLOUD & DELIVERY PRACTICES

Cloud Engineering & Migration

Software Engineering

DevSecOps

Platform Engineering / SRE

FinOps

AWS · Azure · GCP · GovCloud

2016

Founded in the DC metro

6

Federal agencies served — IRS, DIA, CMS, TSA, DOL, GSA

100%

Senior-led engagements

PREVIEW · IN DEVELOPMENT

FLAGSHIP PRODUCT · WEATHER INTELLIGENCE

GovAtmos

Our forthcoming operational nowcasting product fuses live atmospheric data with the NVIDIA Earth-2 forecasting ecosystem to deliver high-resolution, short-range forecasts where they matter most: the operational decision window. Built for federal teams, it adds weather as an intelligence layer in GEOINT workflows.

NVIDIA Earth-2 AI Nowcasting GEOINT-adjacent GPU Compute GovCloud

- › Real-time weather ingest, engineered for operations
- › AI nowcasting built on the NVIDIA Earth-2 ecosystem
- › Decision support tuned to ops-planning constraints
- › Designed to run inside federal security boundaries

PAST PERFORMANCE

Delivered outcomes across six federal agencies.

IRS

High-performance data engineering

Built and supported a data warehouse capable of sub-second, high-throughput queries. Designed ETL pipelines using Apache Spark Structured Streaming in the cloud.

Apache Spark ETL Big Data

DIA

100+ microservices, event-driven

Accelerated build, deployment, and scaling for a large-scale program by maintaining 150+ AWS EC2 instances and a 90-microservice polyglot containerized platform.

Java GovCloud Microservices

CMS

API design & development

Accelerated delivery with cost savings for two public-facing API products. Transitioned from Akamai to AWS firewall for a direct cost reduction.

API AWS Cost Optimization

TSA

Real-time insights, unified systems

Built secure data pipelines connecting Salesforce cloud and on-prem TSA systems, giving decision-makers real-time, actionable insights.

Salesforce Security Data Pipelines

GSA

120-day MVP delivery

Partnered with a prime contractor to rapidly deliver an MVP web application for audit reporting — deployed within 120 days.

18F Agile Rapid Delivery

DOL

Architectural design, prime contract

As prime contractor to the U.S. Department of Labor, delivered the architectural lighting design for the Frances Perkins Building headquarters facade in Washington, DC.

Prime Contract Design Delivery



Federal Civilian

Modernization, data, and AI for civilian agencies — IRS, CMS, DOL, GSA, and beyond.



Defense & National Security

Secure, mission-ready engineering for defense and intelligence programs, including GovCloud.



State & Local

Practical, compliant platforms for state and municipal agencies and their partners.



Regulated Commercial

Enterprises in finance, health, and other regulated sectors where audits are a way of life.

COMPANY DATA

LEGAL NAME

Quadrature Corporation

BUSINESS STATUS

SBA Small Business

UEI

M8MNPX6LS268

CAGE / NCAGE

7XMW2

FOUNDED

2016

HEADQUARTERS

Washington DC

POINT OF CONTACT

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Solicitations & RFI/RFP responses within one business day.

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