

Secure software and data systems for mission-critical environments.

SAM.GOV Active	UEI RP92YSAYL2L9	CAGE 19SD3	PRIMARY NAICS 541511
---------------------------------	-----------------------------------	-----------------------------	---------------------------------------

CORE COMPETENCIES

- Federal R&D; prototype architecture and implementation
- C++ and Python software for low latency and embedded systems
- AWS, Databricks, Spark, PostgreSQL, and MongoDB modernization
- Identity, SSO, secure integration, and device controls
- Performance engineering, observability, and diagnostics
- Technical planning, documentation, and delivery leadership

DIFFERENTIATORS

- Senior engineer remains directly accountable for delivery
- Experience across aerospace, federal, finance, and digital forensics
- Documented technical rationale and visible risk management
- Woman-owned and veteran-owned; federal certification in progress
- Cleared engineering experience and TS/SCI clearance

SELECTED RESULTS

17 TB Satellite data migrated with validation	100K+ FX options deals routed daily	30% Faster high frequency trading model analysis	30% Fewer false geolocation alerts	2 months SSO delivered end to end
---	---	--	--	---

RELEVANT EXPERIENCE

Representative experience includes Apache mission systems and flight analysis at Boeing; FX options routing at J.P. Morgan; high frequency trading systems at KCG Holdings and Chopper Trading; cloud architecture supporting the U.S. Securities and Exchange Commission; satellite data and launch detection; and secure digital forensics software.

FEDERAL CLASSIFICATIONS

541511 Custom Computer Programming Services | **541512** Computer Systems Design Services | **541519** Other Computer Related Services | **518210** Computing Infrastructure and Data Processing | **541330** Engineering Services

CREDENTIALS AWS Certified Solutions Architect - March 2024 Advanced Python Mastery - David Beazley Secure Code Warrior - Levels I-III TS/SCI clearance	ENGAGEMENTS SBIR and STTR solution development Federal subcontracting and cleared support Independent consulting and technical delivery Architecture, migration, and technical risk reviews
---	--