TachyonHQ, LLC

CAPABILITY STATEMENT

Mission software, built by engineers who've done it for 20+ years.

Ground-system, data, and AI software engineering for defense and intelligence customers, from engineers with GPS ground control segment experience and active TS/SCI clearances with CI and Full-Scope polygraphs.

CORE COMPETENCIES

Ground systems & mission data processing. Mission data processing and integration of disparate data sources on classified programs; GPS ground control segment experience.

DevSecOps & resilient infrastructure. Self-hosted, multi-node load-balanced clusters; database and cache failover runbooks; metrics, alerting, and error tracking; gated CI.

Data engineering on federal datasets. Scheduled ingest and reconciliation of FDA NDC (~117K drugs), FDA recalls, openFDA adverse events, DailyMed labeling, and USDA FoodData Central.

Applied AI/ML with guardrails. LLM and vision-model integration with strict intent scoping, safety filters, and asynchronous inference pipelines.

Sensitive-data engineering. On-device extraction that lets only required fields leave the device, with automated tests proving sensitive data never does.

Edge ML & full-stack delivery. On-device computer vision and OCR; FastAPI/PostgreSQL services; mobile clients on the App Store and Google Play.

ENGINEER EXPERIENCE

- 20+ years on DoD and Intelligence Community programs
- GPS Next Generation Operational Control System (OCX) — GPS ground control segment
- Mission data processing and integration of disparate data sources on classified programs
- Full lifecycle: requirements, development, deployment, operations, and sustainment
- Active TS/SCI clearances with CI and Full-Scope polygraphs

Individual experience of TachyonHQ engineers on prior programs; not TachyonHQ corporate past performance.

DIFFERENTIATORS

- **GPS ground-segment continuity.** Engineers who know the GPS ground control mission from OCX, available as the ground segment moves forward.
- **Senior-only team.** Every engineer brings 20+ years; no junior staffing layer.
- **Proven end-to-end operators.** We build, deploy, and run our own production systems, from federal data pipelines to the infrastructure underneath.

COMPANY DATA

UEI	**RDAANCQFUN53**
CAGE	**208A5**
NAICS	**541330**
Size	**Small business**
SAM.gov	**Registered**
Location	**Fort Collins, CO**

CORPORATE PRODUCTION WORK

saviMon
Interaction checking across foods, supplements, medications, allergens, and conditions. Designed, built, and operated by TachyonHQ: live on the App Store and Google Play, on a self-hosted cluster ingesting FDA and USDA data on a schedule.

CONTACT

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