

THORIUM DEVELOPMENT GROUP

AI systems that turn messy documents into trusted, compliant output.

Veteran-Owned Small Business · Tampa, Florida · thoriumdev.com

CORE COMPETENCIES

- **AI document ingestion & extraction** — production pipelines that take unpredictable input (Word, Excel, PDF, scanned and legacy formats) and produce structured, validated data. Built for environments with no tolerance for silent error.
- **Technical-data structure recovery** — usable structure from legacy technical documentation, engineering drawings, and defense technical-data standards (S1000D, MIL-STD-3001 family) — figures and illustrated parts data, not just prose.
- **Provenance & AI verification** — every AI output traceable to source; guardrail and automated-review layers so AI output can meet government acceptance criteria.
- **Format-exact document automation** — automated completion of customer-mandated Word/Excel templates that must conform exactly for government submission.
- **Retrieval engineered for same-vocabulary corpora** — semantic search and knowledge indexing where ordinary keyword and embedding matching break down.
- **Full-lifecycle engineering** — architecture through production operations, in both government and commercial settings.

DIFFERENTIATORS

- **Principal-led delivery.** All work architected and delivered by the founder — 20+ years of software engineering and engineering leadership, hands-on throughout.
- **Inside-government experience.** Six years USAF (Korean linguist/translator; Joint Service Commendation Medal); five years as Technical Director, National Security Agency — enterprise analytics for 30,000+ government users and 2,000+ internal applications.
- **An operating business, not a research shell.** Current client revenue from production AI systems in daily use.
- **Measurement-driven R&D.** Self-funded feasibility work against real Distribution A Navy technical manuals preceded TDG's Navy SBIR Phase I proposal (DON26BZ05-NV078, submitted Sept 2026).
- **Compliance posture underway:** NIST SP 800-171 / CMMC Level 2 (Self) path; DCAA-aware timekeeping and job-cost accounting.

REPRESENTATIVE PAST PERFORMANCE

- **AI submission platform** — govcon services firm (2025–present, production): email-routed AI agents triage jobs, candidates and pursuits; extraction from Word/Excel/PDF; labor-category rules scoring; format-exact completion of mandated submission templates.
- **AI earthworks estimation platform** (commercial): interprets civil engineering drawings; automated cut-and-fill calculations.
- **AI knowledge & guardrails platform** (commercial): persistent organizational knowledge and automated review that reduce hallucination and enforce standards on AI coding agents.
- **Fintech trading platform** (prior role, CTO): led engineering for a multi-chain platform processing \$500M+ in volume.

COMPANY DATA

LEGAL NAME

Thorium Development Group, LLC

FOUNDED

2023 · Tampa, Florida

BUSINESS TYPE

Veteran-Owned Small Business (SBA VetCert in process)

UEI

DEFQBH1XUGJ9

CAGE

Assignment pending

NAICS

541511 (primary) · 541512 · 541519 · 541690

CLEARANCE

Principal previously held TS/SCI (NSA, 2007–2012); available for sponsorship

KEYWORDS

AI/ML engineering · document processing & extraction · S1000D / MIL-STD technical data · retrieval & semantic search · AI verification & guardrails · process automation

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