

Production AI and Platform Engineering for Federal Teams

Aeraxis Enterprises LLC is a small business that ships production AI systems, cloud platforms, and data engineering for federal primes, agencies, and federal-adjacent teams. Founder-led: the people who scope the work write the code.

CORE CAPABILITIES

541512

Computer Systems Design Services

AI systems design, cloud architecture, and DevOps consulting for mission workloads.

541511

Custom Computer Programming Services

Bespoke AI and automation software, built for operational workflows, not demos.

541715

R&D in Physical and Engineering Sciences

Applied machine learning for satellite imagery and sensor data at scale.

518210

Computing Infrastructure and Data Processing

Cloud infrastructure and deployment automation on AWS, including GovCloud.

541519

Other Computer Related Services

AI advisory, readiness assessments, and data analytics engagements.

WHY AEROXIS

Founder-led delivery.

The engineers who scope the work write the code.

Production, not demos.

Systems running in real operational workflows.

Practitioner depth.

Expert users of modern AI tooling, with program-level judgment.

Fixed-scope entry.

A 21-day AI workflow pilot with clear guardrails.

FEATURED IN A PEER-REVIEWED JOURNAL

Esmaili, Daniel, Sun & Narasimhan, "Operational Anomaly Detection in Satellite Imagery Using ResNet-18 Transfer Learning," Artificial Intelligence for the Earth Systems 5(1), 2026, American Meteorological Society. doi:10.1175/AIES-D-25-0026.1. David Daniel (CTO) is second author.

PAST PERFORMANCE

Satellite Anomaly Detection | NOAA (Aeraxis, subcontractor to STC) | 2024-2025

Co-developed ResNet-18 anomaly-detection models for GOES ABI and VIIRS satellite imagery: 98% GOES-ABI and 95% VIIRS accuracy, peer-reviewed in AMS AIES (2026, doi:10.1175/AIES-D-25-0026.1); an earlier prototype ran in a real-time processing system. Aeraxis Enterprises delivered this work as a subcontractor to Science & Technology Corporation (STC), the prime contractor, with David Daniel as Aeraxis CTO.

CI/CD Platform Build-Out | Scientific Computing (STC) | 2023-2025

Designed and shipped GitLab CI/CD across AWS EKS spanning development, staging, and production for a research computing environment.

KEY PERSONNEL EXPERIENCE

Relevant prior-employer experience of David Daniel, CTO, listed separately from Aeraxis corporate past performance above.

GovCloud Migration | CISA | David Daniel as a Cyware Labs employee

Led the commercial-AWS-to-GovCloud migration: a feature-by-feature gap audit of every codebase dependency against the GovCloud offering, with mismatches documented and ticketed.

CMMC Readiness | CASE Management | David Daniel as a CASE Management employee

As acting CTO, drove CMMC Level 3 readiness: migrated 30 users from Google Workspace to hardened Microsoft 365, deployed hardware MFA, piloted with select users, then rolled out company-wide.

ENGAGEMENT MODELS

- **21-Day AI Workflow Pilot.** Fixed-scope assessment with guardrails. You get a working slice and a production roadmap.
- **Project Delivery.** Design through deployment: AI systems, cloud platforms, and data pipelines, shipped by the founding team.
- **Advisory.** Readiness and modernization guidance: GovCloud, CMMC, and AI delivery strategy for small teams.



David Daniel, Chief Technology Officer

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Aeraxis Enterprises LLC | Amelia Island, Nassau County, FL | Small Business

Tell us the agency, the contract vehicle, and the workload. We respond within one business day.