

## Capabilities

# Modern Data Architecture, Engineering, and Applied AI

*AstroSpider is a Nevada-based data engineering consultancy. We design, build, and modernize the data systems Fortune 500 enterprises depend on — and the AI foundations that make those systems future-ready.*

## WHAT WE DO

<b>ARCHITECTURE</b> Medallion lakehouse design, governance posture, lineage, and CI/CD discipline. Architecture-first means decisions hold up at production scale.	<b>DATA ENGINEERING</b> PySpark, SQL, Delta Lake, Azure Data Factory, Microsoft Fabric, Databricks. Production pipelines that survive the moment they meet real data.
<b>APPLIED AI / RAG</b> Governed retrieval-augmented generation grounded in enterprise data. Two paths: Spider Bot for curated knowledge; Atlas™ for full-scale dynamic content.	<b>BI &amp; ANALYTICS</b> Power BI, Qlik, SSRS, Spotfire. Two decades delivering analytics-ready data and the dashboards that turn it into decisions.

## WHY ASTROSPIDER

Founder-led senior delivery. Most engagements are led by a Principal Data Engineer with 20+ years of full-stack experience — from Excel/VBA-driven legacy modernization through cloud lakehouses and Applied AI. Architecture-first thinking means we get the hard decisions right early, before they become expensive to undo. Cross-domain depth across insurance, CPG, defense, automotive, healthcare/pharma, technology, and public sector means we recognize patterns most specialists miss. And we leave behind documentation, patterns, and team capability — not just deliverables.

## PROOF

Selected recent engagements include a national insurance brokerage Salesforce migration rescue, a Fortune 500 CPG SAP S/4HANA modernization, a U.S. Navy Databricks financial analytics platform (in production today), and feature ownership of new ingestion verticals on Microsoft Fabric for an automotive identity-resolution platform serving the Dominion dealer program. Detailed case studies available on request.

## LET'S TALK

Schedule a 30-minute conversation about your data architecture, modernization, or Applied AI initiative.

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