

# SILAS SELFE

silas.selfe97@gmail.com | silasselfe.com | 912.308.3952

*Technical lead and builder who turns ambiguous, high-complexity problems into deployed systems — and deployed systems into business.*

## EXPERIENCE

---

**Quest Defense (QDSS)** — West Chester, OH

4/2023 – Present

*Project Manager → Data & Analytics Lead → Team Lead & Senior Engineer*

- Generated **~\$750K in new contracts in 12 months** across five client engagements — personally originating three end-to-end — by spotting technical openings inside the client org, scoping the solution, and converting executive conversations into signed work.
- Sourced and set technical direction for the **NPI program** (grew to two POs): the delivered tool drove **~\$2M in cost avoidance over 6 months on a single engine line** (scales fleet-wide) and a projected **~½ headcount reduction**, now serving 40 users en route to 50–150.
- As the **sole data/technical authority** at QDSS, embed with client engineering teams to turn ambiguous problems in a highly complex aerospace digital ecosystem into deployed, production data products.
- Architected a **Quest-owned Redshift schema** inside the client’s data instance — securing organizational commitment to maintain it — cutting delivery time by letting teams build in parallel with the client’s lengthy data-provisioning process (consumed via Dataiku, Spotfire, DBeaver).
- Grew a **one-person function into a 6-person team**; set technical direction, staffed delivery against the hardest problems, and own seven ongoing client relationships across overlapping efforts.
- Built and iterated the **Supply Chain analytics platform** (largest effort) — serving 20–40 users over **~8M rows/day**.

## PROJECTS

---

- **MarkEverything.com** — Enterprise productivity platform built end-to-end with Claude: daily note summarization, cross-company action-plan tracking, and inter-company communication for supply-chain coordination (company-to-company data-sharing layer in progress). Each feature targets an operational gap observed firsthand in client work.
- **BoundingPulse.com** — Full-stack, AWS-hosted analytics platform ingesting Craigslist posts nationwide for geographic cost insights with text-indexed search; built with GPT in early 2023, before models could carry the full build — required hands-on problem-solving throughout.
- **UAV (in progress)** — Personal hardware-software integration project bridging aerospace manufacturing to digital systems; computer vision (YOLOv5) and real-world-to-digital data integration, using Claude as an engineering collaborator to apply formal engineering principles to the build.

## EDUCATION

---

**Boston College** — M.S. Applied Economics (Econometrics / Data Science), GPA 3.6 Aug 2020 – Dec 2022

**University of Colorado Boulder** — B.A. Economics, GPA 3.6 Jan 2018 – May 2020

## SKILLS

---

**Languages:** Python, SQL, R, JavaScript / HTML / CSS, C++, MATLAB, Regex, PowerShell

**Cloud & Data:** AWS (Redshift, RDS), Google Cloud, PostgreSQL, Database Architecture, Data Governance, Dataiku, Spotfire, big-data pipelines

**AI / ML:** LLM application development (Claude, GPT), NLP, scikit-learn, PyTorch, TensorFlow, Keras, OpenCV, YOLOv5, OCR, time-series & predictive modeling