

# David J. Anderson

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**Geospatial Data Professional | AWS Certified Cloud Practitioner | Lifelong Learner**

## PROFESSIONAL SUMMARY

Geospatial data professional managing high trust data sets within federal and defense sectors. Expert in data governance, technical writing and developing Standard Operating Procedures (SOPs) to ensure data integrity across scalable architectures. Proven track record working with cross-functional technical and operational leads to optimize workflows and establish enterprise data standards. Experience working with Python and SQL-based geospatial data pipelines to streamline

## SKILLS

### **DATA ANALYTICS & ENTERPRISE TOOLS**

**Analytics Platforms:** Power BI / Tableau (Basic), Excel (Advanced), ArcGIS Pro | QGIS

**Cloud & Infrastructure:** AWS S3 (Certified Cloud Practitioner), Docker

**Data Governance:** Technical Metadata, SOP Development, Data Lineage, Quality Assurance, Technical Writing, Stakeholder Engagement, Microsoft PowerPoint

### **DATABASE & DATA ENGINEERING**

**Relational & Analytical Databases:** PostgreSQL (PostGIS), DuckDB

**Programming & ETL:** Python (Pandas, GeoPandas, ArcPy, Rasterio), SQL (PostgreSQL), GDAL, PDAL Pipelines

**Data Management:** Vector/Raster Data Handling, Data Conversion, S3 Integration

## WORK EXPERIENCE

**Geospatial Analyst III** | HII – Mission Technologies | Saint Louis, MO (Remote Only) | Oct 2021-Present

- Scoped and supported geospatial data collection projects for federal clients, ensuring data readiness for operational deployment.
- Served as a Lead Technical Data Steward for federal data sets, performing advanced profiling and evaluation of statistical metrics to ensure data readiness and high-trust analytics.
- Analyzed current state workflows to identify gaps, implementing Python-based ETL-pipelines that reduced processing timelines by 20%
- Managed multi-source geospatial data in AWS S3 buckets, maintaining efficient and secure access across teams.
- Facilitated discussions with executive stakeholders and technical leads to align complex data content with enterprise system models and business needs.
- Authored comprehensive technical documentation and business glossaries to define roles, responsibilities, and data quality standards.

**Sr. Associate Geospatial Analyst** | L3Harris Technologies | Saint Louis, MO / Remote | Apr 2017-Oct 2021

- Analyzed granular raw data from aerial and satellite operational systems to extract and enrich master data, ensuring alignment with strict government client specifications.
- Served as a Technical Data Steward by conducting comprehensive quality reviews and to maintain consistency and high-trust integrity across large-scale submissions.
- Collaborated on a workflow leveraging DEM for hydro attribution, achieving significant cost and time efficiencies.
- Provided cross-functional leadership by mentoring junior analysts and facilitating high-fidelity data handoffs.

**Associate Geospatial Analyst** | Hexagon Geospatial | Saint Louis, MO | Sept 2015–Dec 2016

- Performed advanced data extraction and classification from multi-source imagery following rigorous technical specifications to ensure high-quality enterprise data.
- Resolved topology and attribution errors in conflated datasets, improving spatial data integrity and usability.
- Worked closely with team members to coordinate tasks, ensuring feature consistency and seamless project execution.

## EDUCATION

**Certificate of GIS** | University of North Dakota, School of Graduate Studies | Grand Forks, ND (Online)

**B.S. in Meteorology | GIS Minor** | Western Illinois University, Undergraduate School of Arts and Sciences | Macomb, IL