

PROFILE

Geospatial data and product leader with eleven years across earth observation, energy, mobility and autonomy data. At Near I led 15 engineers and analysts, including two international team leads I developed as managers, on 1.7B monthly mobility events. At Zoox I worked on the fleet sensor data behind the autonomous-vehicle map, and this year I shipped PG&E an AI-native data-governance application in 90 days that is still in production. I stay hands-on in Python, PostGIS and AWS, and I build with Claude Code.

CORE COMPETENCIES

Geospatial & Sensor Data	remote sensing, satellite and drone imagery, LiDAR, telemetry, mobility and location data, PostGIS, Apache Sedona, GeoParquet, Rasterio, GDAL, ArcGIS, STAC/COG
Leadership & Product	manager of managers, international teams, mentorship programs, product discovery, customer interviews, regulatory requirements into product requirements, roadmap ownership
Data Operations & Quality	labeling guidelines and annotation QA, pipeline-health monitoring, data validation, metrics and operational dashboards (Tableau, Looker, ELK)
AI & ML	Claude Code, AWS Bedrock, multi-agent orchestration, RF-DETR fine-tuning, SAM segmentation, scikit-learn
Cloud & Data Infrastructure	Python, SQL, Spark, FastAPI, AWS (Lambda, Step Functions, Glue, S3, Redshift, Aurora Serverless), Airflow, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

Product Manager, Data Governance & Disposition 03/2026 – 06/2026

Pacific Gas & Electric (Contract), San Francisco, CA

- Shipped a production AI-native web application for data governance and disposition in 90 days; it is still in use at PG&E after the contract ended.
- Translated conflicting CPUC and CCPA requirements on what data is kept, collected, and disposed of into acceptance criteria, working across legal, compliance, and engineering.
- Owned the product lifecycle end to end, from scoping through AI-assisted build, QA, and deploy on AWS (Aurora Serverless, S3, Amazon Bedrock).

Senior Data Consultant, Backend & Data Infrastructure 09/2024 – 06/2025

Excella, Remote

- Public-sector engagement (Public Trust); designed and deployed a healthcare fraud, waste and abuse detection platform as a data-engineering product.
- Built event-driven infrastructure on AWS serverless with anomaly detection saving roughly \$150K a year, and pipeline-health monitoring that raised data accuracy to 95%.

Cartographer, Mapping Data & Analytics 07/2024 – 04/2025

Zoox (Contract), Foster City, CA

- Digitized LiDAR point clouds, camera, video, and imagery collected by the self-driving fleet into Zoox's autonomous-vehicle map data product.
- Worked with the managers of a large-scale labeling operation: flagged recurring labeling errors, helped define guidelines and QA checks, and proposed workflow changes that sped up the work.

Co-Founder, Data Engineering & Product

09/2023 – 09/2024

YuzuData, San Francisco, CA

- Co-founded a geospatial analytics company and owned the product end to end; tested two market segments and landed the company's first paying customers in real-estate site selection.
- Designed satellite-imagery object-detection pipelines, later open-sourced as detr-geo, and built Sedona and GeoParquet geoprocessing on AWS that cut processing time 75% and compute cost 30%.

Manager, Analytics & Data Engineering

11/2021 – 07/2023

Near, Remote

- Led a 15-person data organization in concurrent squads, including two international teams whose leads reported to me; coached both leads on their management styles, handling conflicting priorities, and designing mentorship for their teams.
- Turned 1.7B monthly streamed mobility events into client deliverables served through an API; shipped six large-scale data products on schedule.
- Redesigned the pipeline architecture, cutting AWS costs by \$1M+ a year, and built ELK and Tableau observability that cut pipeline downtime 35%.

Spatial Data Analyst, Geospatial Data Engineering

07/2018 – 11/2021

Pacific Gas & Electric, San Francisco, CA

- Integrated drone-collected imagery and LiDAR, IoT telemetry, asset records, and environmental layers into PostGIS and AWS for wildfire-risk modeling.
- Built Python pipelines for transmission-line outage analysis, and automated vegetation-risk scoring that saved 50+ hours a month.

Motion & Location QA Analyst

09/2015 – 05/2018

Apple, Cupertino, CA

- Validated location and motion sensor-fusion data on Apple Watch and iPhone across releases with Python and SQL test automation that cut manual QA effort 60%.

Open-Source Geospatial Projects

2025 – Present

FirstLight, detr-geo, github.com/gpriceless

- FirstLight: turns an area, a time window, and an event type into a decision product, discovering satellite data on its own and running multi-sensor fusion with full provenance. Python, FastAPI, 518+ tests.
- detr-geo: GeoTIFF in, georeferenced vectors out, with CRS preservation, automatic tiling, and cross-tile deduplication around RF-DETR.

EDUCATION

Graduate Certificate, Geographic Information Systems

University of Denver

B.A., Geography

San Francisco State University