

# KC LOVE

## SUMMARY

- Passionate about data and the role it plays in advancing society and combating climate change
- Thrive in roles that require both technical and soft-skills
- Combination of public, private, startup & international experience creates a unique perspective
- Core values are curiosity, kindness and empathy, and I believe they are the keys to a successful team

## SKILLS & TOOL STACK

- Agile Project Management - *Asana, Notion, Pivotal Tracker, Trello*
- Cloud - *AWS (Athena, RDS, S3); GCP (AutoML, BigQuery, CloudSQL, GCS); Digital Ocean*
- Collaboration - *G-Suite, Github Office 365, Miro, Slack*
- Data Analysis - *Python (GDAL, Matplotlib, Numpy, Shapely, SciPy, Pandas & geopandas, Rasterio), Postman, SQL (PostgreSQL, pgAdmin)*
- Data Visualization - *Esri Story Maps, Google Data Studio, Tableau*
- Geospatial - *Carto, Esri Suite, Google Earth Engine, Mapbox, QGIS, PostGIS, Unfolded*
- New technology evaluation - *Drones, IoT, Mobile data collection*
- Remote sensing - *Change detection, Landcover mapping, UAV photogrammetry*

## EDUCATION

### University of Georgia

A.B. Geography

Certificate in GIS

May 2011

## CONTACT INFORMATION

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## EXPERIENCE

### SOLUTION ENGINEERING LEAD

#### Atlas AI | Nov 2021 - Present | Nairobi, Kenya

- Lead business development efforts across Africa to propose, design, build, and implement data solutions for sustainable development
- Develop strategy for product roadmap and improvement based on user input sessions
- Design field-based efforts to collect, and validate data used by internal and external customers for research purposes
- Provide capacity-building support for the technical implementation of customer engagements
- Research the latest advancements in climate data, geospatial, and artificial intelligence and evaluate ways to incorporate into product
- Build relationships with partners and vendors of data solutions
- Manage a team of 2 Geospatial Solutions Engineers

### Systems Lead

#### Flare | May 2019 - July 2021 | Nairobi, Kenya

- Designed and launched an integrated GPS tracking system that has increased the number of tracked vehicles by 160%
- Reduced emergency response times by identifying key gaps in coverage area and expanding to 5 new markets in Kenya
- Implemented a new CRM and helpdesk system to manage relationships and reduce downtime of 500+ first responders
- Facilitated training of new protocols for COVID-19 for over 200 healthcare workers during the first 2 months of the outbreak

### VP Data Engineering

#### Measure | Jan 2016 - Feb 2019 | Washington, DC

- Responsible for all aspects of data operations at fast-moving startup including processing and analysis for over 7,000 drone flights
- Served as technical lead on all business development activities and regularly helped close deals with enterprise clients in the energy, construction, and telecom industries.
- Recruited, trained, and managed Measure's Data Engineering team of 10 GIS, CAD, and remote sensing analysts
- Designed and implemented data system architecture to meet current needs and long-term AI and Machine Learning capabilities
- Oversaw department operating budget of over \$500,000

### Geospatial Business Analyst

#### Quantum Spatial | Mar 2014 - Dec 2015 | Arlington, VA

- Gathered, translated, and finalized requirements for web and enterprise GIS applications for US Government agencies
- Assessed existing IT infrastructure and prepared business cases for the recommended solution

### GIS Specialist

#### Edwards Pitman | Oct 2012 - March 2014 | Atlanta, GA

- Developed automated mapping solutions for NEPA assessments
- Conducted fieldwork for environmental surveys

### AmeriCorps GIS Volunteer

#### US Fish & Wildlife | Sep 2011 - Aug 2012 | Elkins, WV

- Prepared high quality maps of endangered species, wildlife habitat and invasive species for the Fish & Wildlife Service's WV Field Office