

John Solly

A seasoned GeoDev with expertise in proprietary and open-source platforms with a proven track record in technical communication.

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📍 Redlands, CA

🔗 blogthedata.com

WORK EXPERIENCE

University of Maryland, College Park

Senior Geospatial Developer

2022 to Present

- Architect data pipelines for loading, analyzing, and retrieving 300TB+ cloud-optimized geospatial data.
- Author dozens of tutorial Python Jupyter notebooks to educate developer audiences on the functionality of our tools.
- Build dynamic cache and retrieval methods for optimized hot/cold layers to save on infrastructure costs and energy use.

Yellowfin Business Intelligence (Aquired by Idera Inc)

Integration Consultant

2021 to 2022

- Design innovative data solutions using Yellowfin's REST, SOAP, and JavaScript APIs for Yellowfin's largest clients.
- Troubleshoot and resolve complex L3 production issues within cloud, on-prem deployments (Proxies, Docker, K8, Load Balancers).

Environmental Systems Research Institute (Esri)

Product Engineer

2017 to 2021

- Create dockerized automated regression testing harness with hundreds of tests for a JavaScript-based web application using Python, Selenium, and Jenkins.

EDUCATION

Open Source Society University

Bachelor of Science in Computer Science

2023 to 2027

George Mason University

Master of Science in Geospatial Intelligence - 3.93 GPA

2015 to 2017

UC Santa Barbara

Bachelor of Arts in GIS and Remote Sensing - 3.85 GPA

2013 to 2015

OPEN SOURCE PROJECTS

Blogthedata.com

2021 to Present

- A fully-featured blogging platform written in Django.

Geoasteroids.com

2023 to Present

- A unique twist on the classic Atari Asteroids game written in pure Typescript.

SKILLS

Python | TypeScript | SQL | Django | GDAL | PostGIS | GeoPandas | ArcGIS | Mapbox | QGIS