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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▬ WORK EXPERIENCE

University of Maryland, College Park

Senior Geospatial Developer   2022 to Present
- Architect data pipelines for loading, analyzing, and retrieving 300TB+ of cloud-optimized, geospatial data from blockchain-managed decentralized storage systems such as FIlecoin and IPFS.
- 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 usage.

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 L3 production issues in cloud, on-prem, and hybrid deployments with complex architecture (Proxies, Docker, K8, Load Balancers).
- Create Yellowfin's health check playbook covering best practices for Yellowfin's on-prem deployments

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 application 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 | APIs | ETL