
JOHN SOLLY

Medford, Oregon | ✉jsolly@pm.me

Geospatial developer with domain expertise in business intelligence and web3. Check out blogthedata.com where I write about software development and GIS.

Technologies and Tooling

Python | TypeScript | JavaScript | Golang | Django | React | GeoPandas | Selenium |
Leaflet.js | OpenLayers | GDAL-OGR | Arcpy | Shell | Jenkins | Docker | PostGIS |

PROFESSIONAL EXPERIENCE

UNIVERSITY OF MARYLAND

College Park, MD (remote)

GEOSPATIAL DEVELOPER

Sept 2022 to Present

Technical lead for the EASIER data initiative where I develop infrastructure for efficiently, accessibly, and sustainably onloading, analyzing, and extracting large amounts of spatial data into blockchain-managed, decentralized storage systems such as Filecoin.

- Create data pipeline for loading and retrieving data from Filecoin/IPFS
- Develop REST API, TypeScript Client, and QGIS plugin for data onload and retrieval.
- Build dynamic cache and retrieval methods for optimized hot/cold storage

YELLOWFIN BUSINESS INTELLIGENCE

Boise, ID (Remote)

INTEGRATION CONSULTANT (Technical Product Consultant)

May 2021 to February 2022

Empower developers as a trusted advisor. Offer technical leadership and ownership in post-sales consulting engagements with tier-1 customers, ensuring a successful customer experience.

- Design innovative data solutions using Yellowfin's REST, SOAP, and JS APIs.
- Aid in complex deployments and act as an escalation point for L3 support tickets.
- Create Yellowfin's health check document used by internal and external consultants to objectively assess the 'health' of Yellowfin on-prem deployments.

ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE (Esri)

Redlands, CA

PRODUCT ENGINEER (II)

May 2017 to May 2021

Supported Esri's ArcGIS Dashboards through automated and manual end-to-end functional, performance, and regression QA testing. Release manager, and delegating tasks to internal and external QA resources.

- Create automated regression testing harness for JavaScript based web application.
 - Wrote ArcGIS Dashboard's sanity test plan, revealing hundreds of defects over four years.
 - Reduced manual testing from 240 to 100 hours each quarter for offshore testing teams.
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EDUCATION

OPEN SOURCE SOCIETY UNIVERSITY (OSSU)

github.com/ossu/computer-science

COMPUTER SCIENCE (Bachelors Equivalent)

Jan 2021 - Present

GEORGE MASON UNIVERSITY, GPA 3.93

Fairfax, VA

M.S. GEOINFORMATICS AND GEOSPATIAL INTELLIGENCE

May 2017

UNIVERSITY OF CALIFORNIA, SANTA BARBARA, GPA 3.85

Santa Barbara, CA

B.A. GEOGRAPHY (GIS & REMOTE SENSING EMPHASIS)

May 2015