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# JOHN SOLLY

Medford, Oregon | ✉jsolly@pm.me

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Geospatial developer with domain expertise in business intelligence and web3. Passionate about testing, quality, documentation, and security. Check out [blogthedata.com](https://blogthedata.com) where I write about software development and GIS.

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## Technologies and Tooling

Python | TypeScript | JavaScript | Golang | TDD | Django | React | Node | Pandas | Selenium | Leaflet.js | OpenLayers | GDAL-OGR | Arcpy | Shell | Jenkins | Docker | Git/Jira | PostGIS | MongoDB | Arcade

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## 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.
- Lead integration consultant for Yellowfin's Tier 1 (largest) customers.

### 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.
  - Manage and delegate manual testing tasks to a QA team of four engineers.
  - Reduced manual testing from 240 to 100 hours each quarter.
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## EDUCATION

### OPEN SOURCE SOCIETY UNIVERSITY (OSSU)

[github.com/ossu/computer-science](https://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