JOHN SOLLY

Medford, Oregon | ☎ 279.321.2870 | ✉ jsolly@pm.me

Full-stack developer with domain expertise in GIS, Remote Sensing, and business intelligence. Highlights include TDD web development in Django (Python) and React (TypeScript), in-depth knowledge of CI-CD tooling, and real-world experience on a dev team.

Technologies and Tooling

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

PROFESSIONAL EXPERIENCE

YellowfinBI   *Boise, ID*
INTEGRATION 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, develop and integrate innovative data solutions according to stakeholder requirements.
- Aid in complex deployments and act as an escalation point for L3 support tickets.
- Thought leader on best practices in solution and integration development. Prove processes and patterns to be leveraged by Yellowfin consultants, customers, and partners.

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. Authored critical sanity and certification test plans run by other internal employees.
- Manage and delegate manual testing tasks to a QA team of four engineers to deliver working software on time with no production bug fixes over three years.
- Define I18N (internationalization) and security test strategy for offshore L10N/I18N testing vendors. Reduced manual testing expenditures from 240 to 100 hours per quarterly release.

CENTER FOR LOCATION SCIENCE | RESEARCH AND TEACHING ASSISTANT   Sept 2015 to May 2017
U.C.S.B COLLEGE OF ENGINEERING | TIER I HELP DESK   Oct 2014 to Jun 2015

PROJECTS

- **Blogthedata.com (2021 - Present)** Author blogsite using a Django (Python) backend. Pure HTML/CSS + bootstrap front end. All code tested, linted, committed, deployed to a Linode cloud server with Github Actions. A PostGIS server powers webmaps built on Leaflet.js.
- **UI Automation of ArcGIS Dashboards (2021)** Create UI functional tests using Python and Selenium. Test harness scheduled through a containerized Jenkins deployment. Test results reported to multiple sources, inducing email, defect tracking tool, and MS Teams Channel. Tests uncovered over 10 high priority defects within a 6-month period.

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