




ROBYN MAROWITZ

SOFTWARE DEVELOPER

Denver, Co 
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Research software developer passionate about climate solutions, open source, accessibility.

EXPERIENCE

Software Developer (Associate Scientist II) | National Snow and Ice Data Center 2022-Present

- Built database and web page for US-Arctic Observing Network Benefit Tool.
- Released V2 of G10005 dataset.
- Moved all NOAA@NSIDC datasets from FTP to Https and wrote a script to track downloads by time, region, and dataset automatically sending a monthly report to stakeholders.
- Updated NOAA Sea Ice and Sea Ice Climate Data codebases to take NetCDF inputs, data from AMSR2 & SSMIS satellites used by over 1 million people yearly.
- Modernized legacy software and services.
- Revamped Antarctic Ice Shelves project by reprocessing old data, adding in new regions, and automating filtering images.
- Built a slack bot to recognize employee anniversaries and birthdays in slack channel, bot can be utilized for other purposes.
- Revamped the NSIDC technical blog and wrote posts on various technical topics.

Senior Application Engineer/Consultant | Infoverity 2019-2022

Held roles as Application Engineer I, II, and III before becoming Senior Application Engineer.

- Construction Machinery Company: Developed multiple custom Java extensions to create custom import functions, customize the clients' web page, and automate the translation process.
- Furniture Company: Integrated MDM with SAP using an IICS ODATA connector through MySQL queries and JSON calls between two systems as well as SOAP calls for two-way communication.
- Health Care Products Distributors: Implemented various ActiVos workflows using JSON and XQuery to integrate new data from Media manager into PIM while utilizing Data Quality checks.
- Improved the efficiency of clients' existing workflows and trained current employees on best practices.

EDUCATION

BS Industrial and Systems Engineer | Ohio State University

Dounia Ogle and Robyn Marowitz Scholarship

2018-PRESENT

Established and funded a renewable scholarship at Ohio State University for Engineering students.

CERTIFICATES

Earth Data Science | University of Colorado, Boulder

Scrum Master | Scrum Alliance

PIM Product Level Specialist | Informatica

SKILLS

Python, GitHub, Docker, SQL, Jira (Atlassian), JSON, Microsoft Office, Communication (public speaking), Visio, Tableau, Java

ACTIVITIES

Volunteer: Pelotonia, Climate Reality Leadership Corps, Mile High Hack

Open Source: Community maintainer of Flask-Dance

Personal: Cooking/Baking, reading (community book clubs), cycling, hiking, skiing, gardening

github.com/rmarow | github.com/rmarowitz