

SALO Careers

Title	Geospatial data engineer
Role	Automation, data management, API development
Location	Remote
Type	Full time with benefits

At Salo Sciences we're working to reduce catastrophic wildfires and conserve forests as a means to fight climate change. Join our growing team of scientists and engineers building solutions for conservation and climate change mitigation around the planet. You'll be working on our next-generation conservation technology system: the [Forest Observatory](#). As we expand the scope of the Observatory to cover more regions and map new patterns of environmental change—including wildfire risk and carbon sequestration—we are hiring an engineer to automate and scale our cloud-based data processing workflows.

About us

[Salo Sciences](#) is a conservation technology company. Our mission is to accelerate solutions to climate change and biodiversity loss by guiding investments in natural climate solutions: conservation, restoration & improved land stewardship. We use three tools—satellite data, artificial intelligence & ecological modeling—to identify conservation opportunities, monitor ecosystem health & predict environmental change.

Last year we teamed up with [Planet](#) and [Vibrant Planet](#) to build the California Forest Observatory, a tree-scale forest monitoring system mapping the drivers of fire behavior at high resolution. We handle large amounts of data and need upgraded data processing pipelines to better automate our deep-learning workflows. These pipelines will enable the Observatory to scale beyond California. Join us to design and build back-end data processing and cloud storage systems for a unique forest monitoring platform.

Primary responsibilities

- Automate and schedule geospatial data processing routines from multiple remote sensing sources (multispectral, lidar, radar)
- Design and maintain geospatial-friendly scalable cloud data processing and storage architecture
- Maintain, extend & improve existing API services

Required experience

- Python development
- Distributed computing



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- Cloud-computing platforms (GCP preferred)
 - Geospatial software development or experience with geospatial data
 - API development

Preferred experience

- GeoServer, Postgres, Flask, STAC
- Docker, Kubernetes, Slurm
- GeoTrellis, OpenEO, OpenLayers, PostGIS

Start date

Immediate (posted 07-30-2021)

How to apply

Send your application to careers@salo.ai. Please include the following.

1. Email subject line: "Salo: geospatial data engineer"
2. Your resume or curriculum vitae
3. A one-page (maximum) cover letter describing your fit for the position
4. Optional: relevant appendix material (GitHub account, list of current/previous projects)

