

Dmitriy Altyntsev
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Full stack developer with a lot of experience in automatic data processing.

I think I would be most useful in processing research data. Relocation is possible.

Built up on my own number of automatic satellite data processing and GIS systems:

- Irkutsk regional forest fire monitoring system
- Baikal regional remote sensing center
- Scanex operational remote sensing system
- Ctrl2Go operational remote sensing system
- Federal catalog of geological exploration

This includes task negotiation, architecture design, development of backend, API, intranet frontend, frontend business logic, installation, deployment and maintenance. At the peak it was about 20 hosts at 7 locations. Own unique framework **alt_processing** was developed for automatic data processing.

Main skills:

- Programming languages: **Python** (Pydantic), Javascript (Typescript), HTML, IDL
- Databases: Postgresql, CouchDB
- Libs: FastAPI, Cherrypy, Numpy
- OS: Linux (Ubuntu), Windows
- Clouds: AWS, Openstack
- GIS: GDAL, PostGIS, Leaflet, QGIS
- Remote Sensing: ENVI, MODIS, VIIRS, Sentinel-1, 2, 5, Landsat 5-9, USGS, Sentinel Hub, SNAP, CSPP
- Soft skills: sociability, responsibility, broad outlook and experience in natural science and engineering, ability to solve problems in most simple way with minimum number of used technologies, ability and desire to learn new things

Education:

- Novosibirsk State University (NSU), Physics Department
- The Novosibirsk Specialized Scientific Center on Physics, Mathematics

One more thing:

- The winner of the physics Irkutsk region Olympics
- Twice Irkutsk region governor prize winner for developing the region's forest fire monitoring system
- After university I have been working for several years as an electronic engineer developing both analog and digital devices

Links:

- altyntsev.github.io - github projects docs
- github.com/altyntsev - github
- scanex.ru - most advance automatic remote sensing data processing system
- geol.irk.ru/izuch/ - geological web GIS catalog
- sputnik.irk.ru - personal regional remote sensing site