

# GEORGIJ SAVELEV

---

## ▼ Contacts

[savelevgeo.post@gmail.com](mailto:savelevgeo.post@gmail.com)  
[+79533473027](tel:+79533473027)

[Personal Website \(Notion\)](#)  
[Xing](#)

## ▼ Personal statement

Motivated and experienced GIS professional with technical knowledge in ESRI ArcGIS and QGIS. Specializing in the development of web GIS solutions for geological projects, I am a Database Specialist skilled in collecting and analyzing geospatial data using advanced Geographic Information Systems (GIS) techniques.

I optimize the process by scripting in Python/VBA and running SQL queries for data tracking and geographic data manipulation. With five years of experience in the field, I have successfully completed numerous projects and delivered high-quality results, integrating GIS into geology.

## ▼ Key skills

- ArcGIS, QGIS. Advanced GIS techniques
- Python3 scripting
  - pyqgis, arcpy, Fiona, geopandas, rasterio, GDAL
  - pandas, plotly, multiprocessing, FastAPI, uvicorn, requests, Google Colab ([pet project](#))
  - tkinter, PyQt
- SQL queries within SQLite, GeoPackage, MS SQL Server, PostgreSQL, MS Access databases
- HTML, CSS, Javascript
  - Vue ([about sample app](#)), Bootstrap
  - OpenLayers ([pet project](#) - [source code](#)), Leaflet, Mapbox ([pet project](#))
- Cross-platform development with Apache Cordova ([pet project](#))
- Spatial data analysis
- Drone Photogrammetry data processing

## Employment history

### ▼ Resource Database Geologist

[Nordgold](#) (Nordgold Management) — from 01.04.2024 to present

- Developed MSSQL database structure, speeding up the data upload process by 23%.
- Created a set of python scripts for data integrity checks, jupyter notebooks for data analysis and uploading.
- Set up a system of Power Query requests for data acquisition and management.
- Managed data collection and storage, ensuring data quality and accuracy.

## ▼ Archive Data Specialist

Polyus (Polyus Geoservice) — from 15.06.2022 to 15.03.2024

- Implemented efficient data retrieval techniques to manage and organize geological research and literature data, resulting in a 45% reduction in search time for geologists
- Utilized ArcGIS-ESRI to analyze archive data for specified areas, showcasing GIS experience.
- Leveraged problem-solving skills and communication abilities to design visually appealing cartographic products, incorporating web-scraping and APIs for geographic data retrieval.
- Collaborated with a team, utilizing GIS expertise to enhance the data request process by creating user-friendly QGIS plugins and python scripts.
- Utilized GIS experience to create user-friendly database templates, manage geospatial data, and prepare base maps for field data collection using QField.
- Offered expert guidance to field geologists in QField and QGIS, facilitating precise geospatial data manipulation, cartographic outputs, and calculated rasters.
- Employed GIS software to accurately model drainage basins, utilizing geospatial applications for dataset creation and clear communication of results.

## ▼ Geologist

Geological Research Institute (VSEGEI), Methodic dep. (Saint-Petersburg, Russia), field work in Magadan region (north-eastern Asia) — from 01.11.2016 to 15.06.2022

- Conducted detailed analysis of remote sensing data, with a focus on satellite data, utilizing Python scripts for optimized work. Developed a standalone app, employing Python, to generate weather messages for SMS transmission to satellite phones.
- Demonstrated expertise in spatial analysis and cartography by creating and preparing various maps in ArcGIS and QGIS.
- Methodically organized and managed the GIS database, utilizing SQL for data storage.
- Proficient in Python for data analysis, utilizing it to enhance efficiency and accuracy
- Utilized CorelDraw, GIMP, and Inkscape for graphics creation
- Methodically organized data stored in MS Access databases using SQL, in Excel and Word documents with Python.
- Troubleshooting topology errors. Trained and consulted colleagues on GIS database management. Utilized 3D-visualization. Created technical reports.

## Education and science

### ▼ Master's Degree in Geology

St. Petersburg state university, Institute of Earth sciences, Regional geology dep. — from 01.10.2016 to 15.06.2018

### ▼ Bachelor's Degree in Geology

St. Petersburg state university, Institute of Earth sciences, Regional geology dep. — from 01.10.2012 to 15.06.2016

## ▼ Published papers

- M. A. Shishkin (VSEGEI), S. I. Shkarubo (JSC MAGE), A. G. Konnov, G. V. Savel'ev (VSEGEI). Tectonics of the Polar Urals – Novaya Zemlya fold belts // [Regional Geology and Metallogeny](#), 2021. – № 86. – P. 5–10. – DOI: [10.52349/0869-7892\\_2021\\_86\\_05-10](#)
- Saldin V., Konnov Artem, Saveliev Georgiy. The Lower Permian Marine Succession of Pay-Khoy: Correlations and Problems in Stratigraphy // [Sedimentary Earth Systems: Stratigraphy, Geochronology, Petroleum Resources. PROCEEDINGS Kazan Golovkinsky Stratigraphic Meeting, 2019.](#) – P. 218–222. – DOI: [10.26352/D924F5037](#)

## Other skills and achievements

### ▼ Drone mapping

- Demonstrated expertise in drone mapping and geological research, proficiently utilizing GIS workflows.
- Produced 10 detailed orthomosaics, covering up to 5 km<sup>2</sup>, and prepared technical reports with precision.

### ▼ Field expeditions organization and conduction

- Organized and conducted field expeditions, including employee recruitment and training sessions.
- Successfully led two three-month long autonomous expeditions as a capable team leader, overseeing 4 subordinates.
- Contributed as a valuable team member in five two-to-three month long geological projects, showcasing strong field proficiency and leadership qualities.

## Language skills

### ▼ Russian | English | German

- Russian (native)
- English (fluent B2)
- German (intermediate B1)
- French (basic A1)

## Extracurricular activities

### ▼ Bass | Private lessons | Hiking

- Bass player at “Projekt Spokojstvije” (2012-2020) [soundcloud](#)
- Private geography, mathematics, chemistry lessons for school students (2013-2019)
- Hiking enthusiast (four trips a year) (2000-2013)