

Eugene Kalinouski

Geospatial Data Engineer / GIS Developer

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SUMMARY

Experienced geospatial data engineer specializing in spatial data engineering and interactive web maps. Proven ability to lead international teams and deliver scalable solutions. Adept at translating complex data into actionable strategies. Skilled in complex and ambiguous tasks, perfect collaborator.

SKILLS

English	C1	Programming languages	Python, JavaScript, Bash
Polish	A1	Web Technologies	Django, FastAPI, Mapbox, Leaflet, Three.js, Node
Belarusian	Native	Data Analysis	ETL, Pandas & Geopandas
Russian	Native	GIS Tools	QGIS API, ArcGIS API & Online & Cloud, Shapely, Fiona, Rasterio
		Database	PostgreSQL, PostGIS, PL/pgSQL, MySQL, ORM (sqlalchemy)
		Others	Docker, Linux, AWS, GCP, AMQP, Telegram API, Git

WORK HISTORY

Je Divise Mon Terrain — *France*

Senior Developer (remote, 2019 - 2020)

- Led a team of 4 to develop a web app for real-time 3D parametric architectural designs, intended for land developers to quickly visualize and present possible development strategies.
- Designed a scalable backend with RabbitMQ, Django, Rhino Server and GIS microservices.
- Integrated 10+ spatial data providers: French Cadaster, Tax data, OSM, Google Maps, 3D terrain.

Minsk Urban Platform NGO — *Minsk, Belarus*

Urban Data Analyst, Intern (2019 – 2020)

- Developed a process to collect, geocode and analyze over 4 million complaint tickets from citizens, identifying spatial patterns in public amenities' quality to enhance municipal policy decision-making.
- Assessed growing transportation network impact on retailers in a 2M city. Built a very precise transit model analyzing 10K points of interests' accessibility gain and identified winners and losers.
- Worked closely with urban planners to elaborate and implement urban data analysis workflows

Freelance (Self-employed) — *Worldwide (USA, Canada, Portugal, UK, etc.)*

GIS Developer (remote, 2017 - 2019)

- Delivered custom mapping software & analysis to 20 clients.
- Identified potential markets in 48 US states in a geomarketing research for amusement park industry. Used detailed social, economic and demographic data with respect to transportation patterns.
- Built 12 desktop GIS tools: improved logistics of public transit service in Portugal adjusting its operations with Google data on traffic. Created a tool to identify and visualize flooding risks in Toronto, Canada in different areas. Automated data collection process for heterogeneous satellite imagery with different resolution, which improved operation time by 5-10 times.
- Cloud-based data processing automation integrated with PostgreSQL / PostGIS, GIS and CAD.

EDUCATION

Belarusian State University, Minsk (2016 – 2019)

Bachelor of Science in GIS and Land Administration

University of Szczecin, Poland (2019) — *Scholarship from the EU government*

University of Nevada, USA (2018) — *Scholarship from the US Department of State*