

Mehmed Kadric

Geospatial Software Engineer · Data & ML · Founder

kadicze@gmail.com | mehmedkadric.com | linkedin.com/in/mehmed-kadric | github.com/mehmedkadric |
Bosnia & Herzegovina (Remote)

Geospatial software engineer and founder with 8+ years across software engineering, GIS, data science and machine learning. I design and ship geocoding, address-intelligence, search, routing, data and ML products - from systems indexing billions of geographic features to bespoke tools for clients across the US and EU. Founder of Mesh Solutions and DeliveryMesh.

EXPERIENCE

Geocoding Specialist & Maps Search Engineer, MapTiler

Oct 2023 - Present · Switzerland (Remote)

- Develop and ship geocoding and maps search features - structured search, routing, address deduplication and postal-code validation - plus production bug fixes across global services.
- Own and scale a planet-scale geocoding platform indexing billions of geographic features; grew it from a one-person pipeline into a team-owned system.
- Set up the release process for index and service updates, with automated regression and data-quality tooling guarding against regressions and map vandalism.

Founder & Principal Engineer, Mesh Solutions

Nov 2023 - Present · Remote

- Run an independent software, geospatial & data-science practice serving clients across the US and EU; 5.0/5.0 average client rating with repeat work and referrals.
- Deliver custom applications, geocoding & routing features, and clean, standardized address/POI datasets - from idea to production.
- Build address parsing & normalization services around libpostal that structure messy international addresses for geocoding, deduplication and data-quality (logistics, CRM, KYC).

Senior Data Analyst, Atlantbh

Feb 2022 - Nov 2023 · Sarajevo

- Took machine learning models into production with PostgreSQL-backed ML pipelines and data-quality systems.
- Applied anomaly-detection techniques to semiconductor manufacturing data to surface defects early in the process.

Data Analyst (Intern → Junior → Data Analyst), Atlantbh

Jul 2018 - Feb 2022 · Sarajevo

- Progressed from intern to data analyst across data-quality assessment and applied machine learning.

SELECTED PROJECTS

DeliveryMesh - Route-optimization & delivery-planning platform (routing engine, spatial data model, planning UX) helping logistics teams cut driving time and cost. Founder.

Address Parsing & Normalization (libpostal) - Services that parse and standardize messy international addresses into structured components for accurate geocoding and deduplication.

Maps Search & Geocoding Features - Structured search, routing, deduplication and postal-code validation on a planet-scale geocoding platform; release process and regression automation for index updates.

UAV 2D/3D Semantic Segmentation - Master's research on segmentation, geocoding & change detection from UAV imagery, incl. a novel colour-based segmentation method.

RAG for Technical Documentation Search - Mentored thesis on a retrieval-augmented system indexing docs as vector embeddings for semantic search.

Random String Detector - Open-source Python/PyPI package that flags gibberish strings for text & address data cleaning.

RESEARCH & MENTORSHIP

- Co-author: deep-learning review on predicting axillary lymph node metastasis from breast histopathology.
- Co-author / engineering & AI lead on PhD pharmacogenetics study (CRF data tool, statistical & AI-assisted analysis).
- Co-mentor (Univ. of Zenica): ML address parsing for Bosnia & Herzegovina, incl. first representative BiH address dataset.

CORE SKILLS

Languages: Python, Java, TypeScript/JavaScript, SQL

Geospatial: Geocoding, Address parsing/intelligence, Routing & optimization, PostGIS, OpenStreetMap, GIS

Data & ML: NLP/NER, Machine learning, Anomaly detection, Spatial data pipelines, Data quality, BigQuery

Web/Backend: Django, FastAPI, Node.js, Vue.js, PostgreSQL, Redis

Platform: Docker, Ansible, Nginx, Linux

EDUCATION

M.Sc. & B.Sc., Automatic Control & Electronics

University of Sarajevo · 2014 - 2021

Thesis: UAV 2D/3D semantic segmentation

CERTIFICATIONS

- Certified Python Developer
- Certified Back-End Developer
- ML in Production - DeepLearning.AI
- EASA Aviation / UAV certified
- Published - STELEKS, 2017