



Mihai-Teodor Benta

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ABOUT ME

I have expertise in maps and all the elements necessary for building a navigation system like Google Maps or Waze. From designing road networks to defining essential map attributes, I have an in-depth understanding of these complex systems.

I successfully coordinated the implementation of an internal platform aimed at improving organizational workflows. I managed the entire process, from creating requirements and approving designs to testing the application's performance and quality assurance.

I am passionate about web development, which drove me to learn various technologies in this field. I started with WordPress and then moved to JavaScript for more flexibility and performance, focusing on React for front-end development and Node.js for backend with PostgreSQL as databases.

I also have strong SQL knowledge, working with PostgreSQL to manage databases and optimize queries. Additionally, I have experience with PostGIS, the PostgreSQL extension for handling geospatial data, which is crucial for the design and implementation of mapping and navigation systems.

WORK EXPERIENCE

11/02/2019 – 06/2021 Cluj-Napoca, Romania

GIS ANALYST PRO GIS SOLUTIONS S.R.L.

- Georeferencing of maps.
- Analysis of general urban plans.
- Use of Google Suite: Sheets, Docs, Slides, etc.
- Use of Microsoft Suite: Word, Excel, etc.
- Creation of spatial vector databases, editing, selecting spatial attributes.

01/07/2021 – 13/12/2024 Cluj-Napoca, Romania

SENIOR MAP ANALYST GRAB

I coordinated the improvement of the OpenStreetMap map to optimize the navigation system used by Grab in its ride-sharing and food delivery services. I ensured quality control for vendor teams by updating and implementing standard operating procedures (SOPs), promoting best practices, and organizing regular meetings to enhance quality.

I was responsible for coordinating a project that involved the development of an internal platform aimed at optimizing the map quality improvement processes. The main objectives included:

- Reducing the average handling time (AHT) per operation by optimizing the workflow and lowering editing costs.
- Transitioning from a fragmented and time-consuming workflow to an automated one managed directly from the online application.
- Integrating all essential elements into a single application.
- Improving the management and monitoring of vendor teams.

The results of implementing the platform were significant:

- AHT per edit was reduced by up to 50% compared to the previous workflow.
- The need for manual data preparation and processing by the Map Analyst team was eliminated.
- An automated vendor performance monitoring system was implemented, allowing the identification of trends and proactive measures.
- More efficient and faster project coordination through the task management platform.

I was responsible for migrating statistics from a complex workflow, which relied on a large number of interconnected Excel sheets, requiring significant manual effort. This workflow was replaced with a modern online solution that stores

all information in a centralized database. The new platform offers a user-friendly interface, providing access to detailed vendor activity data, ensuring much more efficient monitoring and management.

I was responsible for developing complex SQL queries needed to extract various types of information requested by the team management. These insights included detailed analyses of the performance of different teams and the evaluation of machine learning models' quality.

I also utilized OpenAI's LLMs (Large Language Models) to create web applications that use artificial intelligence to automate and assist with our daily activities.

● **EDUCATION AND TRAINING**

2014 – 2017 Cluj-Napoca, Romania
BACHELOR'S DEGREE - TERRITORIAL ANALYST Babeş-Bolyai University of Cluj, Faculty of Geography

- Introduction to Geographic Information Systems (GIS)
- Geographic Information Systems (GIS)
- Cadastre
- Cartography/Topography
- Geographic Space Organization
- Urban/Rural Planning
- Institutions and Legislation on Urbanism and Territorial Planning

Website <https://www.ubbcluj.ro/ro/>

2017 – 2019 Cluj-Napoca, Romania
MASTER'S STUDIES - GEOMATICIAN Babeş-Bolyai University of Cluj, Faculty of Geography

- Event-Driven Programming. Python Language
- Computerized Remote Sensing
- GPS and Urban Cadastre Assisted by GIS
- Advanced GIS Techniques (taught in English)
- GIS Applications in Local Administration
- Web GIS
- UAV Photogrammetry
- Satellite Image Processing

Website <https://www.ubbcluj.ro/ro/>

● **LANGUAGE SKILLS**

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	B2	C1	B2	B2
SPANISH	B1	B1	B1	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

WebDev

Git (Github / Gitlab) | Webdevelopment - JS CSS HTML | NodeJS (TS & JS) | React JS, React Route, React Hooks, React Dom

GIS and Mapping

JOSM + OSM Mapping | GIS software: Expert QGIS and good control of ArcGIS

Productivity

Atlassian stack (Jira, Confluence, ...) | Adobe suite (Adobe Photoshop, Adobe Illustrator, Adobe Lightroom, Adobe Premiere) | Remote working tools (Slack, Teams, Zoom, Meet, Discord) | Google suite -Gmail, Google Drive, Google Slide, Google Docs, Google Sheets, Google Forms, Google-

Databases

Databases, MySQL, Oracle | SQL and MS-SQL | PostgreSQL and MariaDB