



# RUBIERE RAMIREZ

Geospatial Developer | Spatial  
Data Engineer

- 📞 +(501) 636-5355
- ✉️ rubiere.ramirez@gmail.com
- 🏠 Belmopan, Cayo, Belize
- 🐙 [github.com/rubi3r3](https://github.com/rubi3r3)
- 📄 [rubi3r3.github.io/cv](https://rubi3r3.github.io/cv)

## ► EDUCATION

MSc in Geographical  
Information Science and  
Systems (In Progress),  
Paris Lodron University  
of Salzburg, Austria  
2027

BSc in Natural Resource  
Management  
University of Belize,  
Belize  
2014

## ► SKILLS

R, R-Spatial, Python,  
GeoPython, SQL, Spatial  
SQL, QGIS, ArcGIS Pro,  
Spatial Data Science,  
Data Engineering,  
Remote Sensing, Earth  
Observation, PostgreSQL  
PostGIS, OSGeo  
Geoserver, Web GIS,  
Geovisualization and  
Geocommunication

## ► LANGUAGES

English

Spanish

## ► PROFILE

A geoinformatician with over seven years of experience in proprietary geographic information systems (GIS), free and open-source GIS, spatial data programming, spatial database management, remote sensing, earth observation, and spatial data engineering.

## ► WORK EXPERIENCE

### Geographic Information System Assistant

Statistical Institute of Belize, Bemlopan City, Belize | 2022 - Present

Administer and maintain Enterprise GIS, spatial databases, services, Web GIS applications and perform earth observation on the built environment.

- Develop, administer and maintain spatial databases on PostgreSQL database with PostGIS extension.
- Develop, administer and maintain web applications on free and open-source software for geospatial (FOSS4G): GeoServer & Mapstore2; and on commercial off-the-shelf (COTS) software: Portal for ArcGIS & ArcGIS Server, Oracle Application Express.
- Create Sentinel-2 Geomedian of Belize with Google Earth Engine and classify urban areas with machine learning in Python.
- Develop tools to automate tasks and to standardize the extraction, transformation and loading of non-spatial data and spatial data into SIB's spatial data repositories with SQL, R, and Python.

### Geographic Information System Technician

Statistical Institute of Belize, Bemlopan City, Belize | 2018– 2022

Create spatial data using front-end geospatial software and produce maps.

- Heads-up digitized building footprints for the entire country of Belize.
- Perform remote sensing techniques to detect changes in urban areas in QGIS.
- Process aerial photos from drone imagery in QGIS and ArcGIS Pro.

### Geographic Information System Technician

Statistical Institute of Belize, Belize City, Belize | 2017– 2017

Assist CZMAI with data creation and field data collection.

- Heads-up digitized and updated building footprints for Caye Caulker using Google Earth Pro and existing building footprints.
- Assisted with the collection of land use and building information in Caye Caulker using Open Data Kit for android devices.