RUBIERE RAMIREZ

Geoinformatics Professional

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📍 **19 Barton Creek Street, Belmopan City, Belize**

SUMMARY

A geoinformatics professional with over five years of experience in GIS, spatial database management, and spatial data engineering.

EXPERIENCE

Geographic Information System Assistant,
Systems Development and Data Processing,
Statistical Institute of Belize.

📅 *September 2022 - Present* 📍 *Belmopan, Belize*

Administer and maintain Enterprise GIS, spatial databases, services, and Web GIS applications.

- Administer and maintain spatial databases on PostgreSQL database with PostGIS extension.
- Administer and maintain web applications on free and open-source software for geospatial (FOSS4G) and on commercial off-the-self (COTS) software: Portal for ArcGIS and ArcGIS Server.
- Create tools to automate and standardize the extraction, transformation and loading of non-spatial data and spatial data into SIB's spatial data warehouse.

Geographic Information System Technician,
Systems Development and Data Processing,
Statistical Institute of Belize.

📅 *2018 – September 2022* 📍 *Belmopan, Belize*

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

- Perform Earth Observation Remote Sensing Techniques to detect changes in urban areas.
- Process aerial photos from drone imagery in QGIS and ArcGIS Pro.
- Automate the generation of spatial data with R programming language using OGC Standards.

Geographic Information Systems Technician,
Coastal and Marine Data Centre,
Coastal Zone Management Authority and Institute of Belize.

📅 *May 2017 – June 2017* 📍 *Belize City, Belize*

- 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.

EDUCATION

BSc. in Natural Resource Management
University of Belize

📅 *2012 – 2014* 📍 Belmopan, Belize

SKILLS

Skill	Rating
R	●●●●●
Python	●●●○○
ArcGIS Pro	●●●●●
QGIS	●●●●●
Data Engineering	●●●●○
Earth Observation	●●●●○
PostgreSQL	●●●●○
FOSS4G Geoserver	●●●●○
Geovisualization and Geocommuncation with Web GIS (Mapstore2)	●●●●○

ACHIEVEMENTS

✓ **Enterprise GIS in FOSS4G**
Developed and implemented an Enterprise Geographic Information System infrastructure exclusively with free and open-source software for geospatial: QGIS and PostgreSQL Database with PostGIS extension.

✓ **Web GIS in FOSS4G**
Deployed and maintained Open-Source GeoServer and Mapstore2 with Apache Tomcat on Apache HTTP Server on SIB's GIS Servers.

✓ **GIS Web Application for Census Progress Tracking**
Geovisualize census progress coverage by creating a web application using open standards: Mapstore2 web app created using GeoServer, PostgreSQL database with PostGIS extension and ETL process automated with R programming.