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 proprietary geographic information systems, free and open-source geographic information systems, spatial data programming, spatial database management, earth observation, and spatial data engineering.

EXPERIENCE

Geographic Information System Assistant
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): GeoServer & Mapstore2; and on commercial off-the-self (COTS) software: Portal for ArcGIS & 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 repositories.

Geographic Information System Technician
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 Zone Management Authority and Institute of Belize

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

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.

EDUCATION

B.Sc. in Natural Resource Management
University of Belize

📅 2012 – 2014   📍 Belmopan, Belize

SKILLS

Skill	Level
R	●●●●●
Python	●●●○○
ArcGIS Pro	●●●●●
QGIS	●●●●●
Data Engineering	●●●●○
Earth Observation	●●●●○
PostgreSQL	●●●●○
FOSS4G GeoServer	●●●●○
Geovisualization and Geocommuncation with Web GIS	●●●●○

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.

✔ **Web GIS Development: Full-Stack PERN Application**
Built and maintained PostgreSQL, Express, React, Node.js geoportal to geovisualize the Statistical Institute of Belize's spatial data.