

# Ismail Muzammil

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## Summary

I am a passionate software and geospatial developer with expertise in GIS, remote sensing, and web-based geospatial solutions. With a BSc in Geoinformatics and over three years of experience in software development, I specialize in creating innovative geospatial applications using tools like PostgreSQL, PostGIS, QGIS, Mapbox, and the ArcGIS JavaScript API etc

## TECHNICAL SKILLS

- **Languages:** javaScript, python, (Data structures and Algorithms object oriented ) HTML&CSS, Node.js
- **Libraries:** mapping api ( arcgis sdk javascript api , mapbox.js googleMap api ) , React, Next.js, postGis
- **Geospatial Tools:** PostGIS, ArcGIS, QGIS, GDAL, Fiona, Shapely
- **Web Development:** React, Next.js, node.js
- **Other skills:** Good understanding of data structure like Goejson, Good ui/ux skills, version control(git) project management Restfull api

**Education:** Bachelor of Science in Geoinformatics university of Ilorin

## Professional Experience

*Geospatial Developer*

*Kwara state geographical information system Feb/2023 - Feb/2024*

- Developed and implemented cadastral database management system to manage cadastral and property data in kwara state .
- Managed and optimized geospatial databases using PostGIS and SQL Server.
- Created interactive maps and visualizations using platforms like Mapbox, Leaflet, and D3.js to aid in spatial data interpretation.

*Gis Developer*

*Unilorin consultance march/2024 - dec/2024*

- Designed and implemented GIS solutions to support urban planning, environmental monitoring, and disaster management
- Developed satellite data visualization platform.

## Projects

- **Web-Based Cadastral Database:** Built a platform integrating PostgreSQL for storage and Mapbox for data visualization.
- **Disaster Response Mapping:** Created an interactive mapping tool to assist in disaster response and management by integrating real-time data and geospatial analytics.
- **Urban Heat Island Mapping:** Developed a web application to visualize and analyze urban heat island effects using satellite imagery and spatial analysis techniques.

## References

Available upon request.