

FLORENCE UJUNWA OKPALA

GIS Analyst | Web GIS & Geospatial Data Specialist

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PROFESSIONAL SUMMARY

Results-driven GIS Analyst with hands-on experience in geospatial data collection, field mapping, GPS surveying, spatial data validation, and end-to-end Web GIS application development. Proven ability to independently design and deliver full-cycle GIS solutions, from field data capture through interactive dashboard and app publishing, using the ArcGIS platform. Combines a Biochemistry background with self-driven technical training (Esri MOOC) to bring strong analytical rigor to geospatial problem-solving. Seeking to apply geospatial technology to infrastructure management, utilities, transportation, environmental monitoring, and smart city initiatives.

CORE SKILLS

GIS & Web GIS: ArcGIS Online, ArcGIS Survey123, ArcGIS Dashboards, ArcGIS StoryMaps, ArcGIS Instant Apps, ArcGIS Experience Builder, Web GIS Application Development

Field & Data Operations: GPS & Mobile Data Collection, Field Mapping, Ground Truthing, Spatial Data Validation, Spatial Database Management, Geospatial Analysis, Data Visualization, Cartography & Map Design

Tools: Microsoft Word, Excel & PowerPoint

Professional: Analytical Thinking, Problem Solving, Communication & Stakeholder Engagement, Team Collaboration, Adaptability, Attention to Detail, Time Management, Customer Relationship Management

PROFESSIONAL EXPERIENCE

Sales Business Representative

June 2024 – Present

Bri Heaven Nigeria Limited — Asaba International Airport (Departure Wing), Nigeria

- Independently conceptualized and developed the Airport Business Directory System, an end-to-end Web GIS solution digitally mapping airport businesses for interactive visualization and public access.
- Built the full ArcGIS solution stack for the project — Survey123 data collection form, Web Map, operational Dashboard, StoryMap, Instant App, and Experience Builder application with integrated search, filters, and bookmarks.
- Observed airport business activity and customer movement to identify data-driven opportunities for improved business operations, translating field insight into a functioning spatial application.
- Promoted and sold products to domestic and international travelers, consistently meeting daily and monthly sales targets while delivering excellent customer service.
- Processed sales transactions and maintained accurate sales and inventory records; monitored stock levels and merchandising standards.
- Built strong customer relationships by responding professionally to enquiries and resolving concerns; collaborated with colleagues to ensure efficient daily operations.

GIS Enumerator Officer

August 2022 – July 2024

Benin Electricity Distribution Company (BEDC), Nigeria

- Collected geospatial data using handheld GPS devices and mobile GIS applications, recording accurate coordinates for utility assets and electrical infrastructure.
- Verified and updated existing spatial datasets through systematic field validation and ground-truthing, improving overall spatial data quality.
- Captured attribute information, photographs, and field observations to support ongoing GIS database development for utility infrastructure mapping.

- Followed established GIS data collection standards and workflows to ensure consistency and accuracy across field operations.
- Navigated assigned locations using maps, GPS devices, and mobile GIS applications; maintained field equipment for reliable, efficient data collection.
- Reported project progress, field observations, and operational challenges to project managers, supporting timely resolution of field issues.

FEATURED PROJECT — AIRPORT BUSINESS DIRECTORY SYSTEM

Complete Web GIS platform, self-initiated and independently built, for managing and publicizing businesses operating within Asaba International Airport. Improves business discovery, spatial awareness, and operational decision-making through an integrated ArcGIS toolchain.

- Designed a digital Survey123 form for structured field data collection of airport business information.
- Collected GPS-enabled business locations and attribute data; developed an interactive Web Map with categorized business listings.
- Built an operational Dashboard for monitoring airport business information and a StoryMap documenting project objectives, methodology, and outcomes.
- Developed an Experience Builder application with integrated search, filters, bookmarks, and interactive mapping, plus an Instant App for simplified public access.

EDUCATION

B.Sc. Biochemistry, Second Class Upper Division

Chukwuemeka Odumegwu Ojukwu University, Nigeria

CERTIFICATIONS & TRAINING

- Esri Massive Open Online Course (MOOC) — Make an Impact with Modern GeoApps: ArcGIS Online, Survey123, Dashboards, StoryMaps, Instant Apps, Experience Builder, Web GIS Application Development, GIS Automation Workflows, Spatial Data Collection, Interactive Mapping
- Bachelor of Science (B.Sc.) Degree Certificate
- English Proficiency Certificate