

ENIOLA BABATUNDE

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PROFESSIONAL SUMMARY

A geospatial data scientist adept in spatial data analysis, GIS development (particularly OpenSource) and data science. With over 5 years' experience in spatial analysis, spatial data science and GIS development. Further, with her engineering background in Surveying and Geoinformatics, she always utilizes a technical and innovative approach to problem-solving. Eniola has demonstrated a high degree of versatility and adaptability through stellar performance in multiple industries including historical studies, transportation, environmental planning and offshore renewables.

SKILLS AND TOOLS

- **Esri Suite:** Online, Pro, Story maps, Insights, Experience Builder, Survey123, Collector
- **Programming Languages:** Python, ArcPy, SQL, Javascript, HTML, CSS, Leaflet
- **Data Analysis:** R, R Studio, Jupyter NoteBooks
- **Database Management:** Oracle, OracleSpatial, PostgreSQL, PostGIS
- **DevOps Tools:** Github
- **Business Intelligence and Visualization Tools:** Tableau, Insights for ArcGIS, Power BI
- **Project Management:** MS Office, Microsoft Sharepoint

CORE COMPETENCIES

Project Management

- Microsoft SharePoint, Git

Data Visualization and Web Mapping

- Power BI, Insights for ArcGIS, Leaflet

Collaboration and Communication

- Teamwork, Presentation

Automation

- R, Python, Geoprocessing toolbox

PROFESSIONAL EXPERIENCE

GIS Consultant - Permanent

Mott MacDonald

Sep 2021 – Present

- Providing geospatial support on the Leeds LFAS2 National Flood Mapping Project

Spatial Data Scientist - Temporary

HS2 Ltd

April 2020 – Sep 2021

- Driving digital innovation; produced and developed several R shiny apps for the HS2 Ecology Data Delivery Team for data manipulation and integrity.
- Managing a team of R developers, led and coordinated team for code version control.
- Producing SQL queries to fetch data via an API.
- Developing spatial techniques and queries in R (including Leaflet for R).
- Developing R markdown documents for reporting.

Digital Delivery GIS Consultant - Contract

ScottishPower Ltd

Sep 2019 – March 2020

- Developed high quality digital apps for the offshore renewables team, including dashboards, web apps and story maps.
- Produced geoprocessing toolboxes using python to automate workflows.
- Provided innovative solutions, enabling better understanding of offshore data, tracking of ships and archaeological data.

- Developed a tool that converts ship historical vessel location via an API to lines which pushes them back to ArcGIS Online and are automatically visualized on a web map, thus enabling real time ship track understanding.

Graduate GIS Consultant - Permanent

Jan 2019 – Sept 2021

AECOM

- Produced several maps with a standardised approach of professional map production using data driven pages, SQL queries and doughnut like maps to effectively visualize over 30 constraints on the maps produced.
- Facilitated database connections into R to carryout spatial analysis
- Produced high quality cartographic outputs with GIS and spatial analysis to help different stakeholders make informed decisions for the A303 Stonehenge project.
- Automated tasks by creating python scripts to read many map documents and geodatabases.
- Mapping potential corridor routes and environmental constraints to inform the routeing of onshore underground cables which would be required as part of the development of a new interconnector, between the UK and mainland Europe.
- Provided geospatial solutions for the development of a feasibility study associated with the Small-Scale LNG Supply in Mauritania by Shell International Exploration & Production B.V. (Shell) to the power plant of Nouakchott.
- Provided cartographic output for water receptors on the A40 STP2 Project to assess the impact on the water environment of a new P&R site.
- Provided GIS support for a range of projects through ecological mapping, particularly, Phase 1 Habitat Survey mapping, denoting site boundaries for sites around the UK.

GIS Analyst

Dec 2016 – Sep 2017

Interspatial Technologies

- Managed various spatial data and information systems in line with internal policies, procedures, and best practice and ensuring databases are always up to date
- Prepared detailed modelling and mapping of river catchments, flood hazard and flood risk maps using various GIS and modelling systems including 3D LiDAR Dem visualisation, ArcGIS and ArcScene.
- Employed various analytical and modelling techniques in the Hydrological Engineering Centre including River Analysis System (HEC-RAS) and Hydrologic Modelling System (HEC-HMS) for flood risk mapping.

GIS Intern

Jul 2015 – Dec 2015

Interspatial Technologies

- Produced high quality maps for environmental impact assessment.
- Digitization of maps and creation of land parcel survey plans using ArcGIS and AutoCAD respectively.
- Data exporting, responsible for converting Garmin GPS field data to feature class as well as exporting spatial data from ArcPad to ArcMap as and when required.
- Prepared detailed modelling and mapping of river catchments, flood hazard and flood risk maps using various GIS and modelling systems including 3D LiDAR Dem visualisation, ArcGIS and ArcScene.
- Employed various analytical and modelling techniques in the Hydrological Engineering Centre including River Analysis System (HEC-RAS) and Hydrologic Modelling System (HEC-HMS) for flood risk mapping.

EDUCATION

- **MSc. Geographical Information Science**, *University of Edinburgh, UK*
- **BSc. Surveying and Geoinformatics**, *First Class, University of Lagos, Nigeria*