

# Kennedy Kandia

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## Education

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### Stuttgart University of Applied Sciences, Germany

October 2023 – Present

Master of Science in Photogrammetry and Geoinformatics

**Relevant Coursework:** Database Systems, Data Visualization, GIS Programming

### Dedan Kimathi University of Technology, Kenya

Sept 2015 – April 2019

Bachelor of Science in GIS & Remote Sensing

**Relevant Coursework:** Web Mapping, Cartography, Spatial Mapping

## Skills

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**Software:** ArcGIS Pro, QGIS, R, Power BI, Tableau, Adobe Illustrator

**Solutions and Tools:** ArcGIS Online, Google Earth Engine, ODK, Kobo Collect, QField

**Languages:** Python, JavaScript, HTML/CSS

**Databases:** PostgreSQL, Spatialite, MS Access, MS SQL Server

**Libraries:** GeoPandas, matplotlib, NumPy

**Other:** Git, Docker, ClickUp, Primavera P6

## Experience

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### Oakar Services Limited

Jan 2021 – September 2023

Geospatial Solutions Engineer

- Conducted market research and user needs assessment to advise on key solution features and inform marketing strategies and product development.
- Coordinated various projects through inception to closure and exceeded client requirements while reducing delays by 30%.
- Led, provided, and coordinated reliable technical support to over 50 clients increasing our response time by 40%.
- Developed, compiled, and updated system product plans, user manuals, UAT, and system integration documentations.

### Geoanalytics Hub

April 2020 – December 2020

Geospatial Data Engineer

- Conducted user needs assessments to identify client pain-points and contribute to solution design and Use Case Diagrams.
- Developed web applications to automate spatial processes and improved business operations through location intelligence.
- Designed and maintained database systems to ensure optimal operation, data security, integrity, and accessibility.

## Projects

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### Redevelopment and Reconfiguration of a GIS System

Jan 2022 – June 2023

Tech Stack: ArcGIS Enterprise, MS SQL Server, ArcSDE, ArcGIS Desktop

- Installed, configured, and deployed ArcGIS Enterprise System
- Designed and optimized a MS SQL Server Database for data and information from at least 6 ASAL Counties in Kenya.
- Provided training and capacity building to at least 10 users on spatial analysis, knowledge management, and system use.
- Acted as the technical point of contact for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> Levels of Technical Support.

### Design of a Data Management Protocol using QGIS System

April 2020 – May 2020

Tech Stack: QGIS, QField, QCloud, PostgreSQL

- Designed, tested, and implemented a data collection tool using QGIS and QField.
- Designed and developed a PostgreSQL Database while enforcing data integrity and quality standards.
- Configured QField and QCloud for seamless data flow from the field to the office.