

Kennedy Kandia

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Education

Stuttgart University of Applied Sciences, Germany

October 2023 – Present

Master of Science in Photogrammetry and Geoinformatics

Relevant Coursework: GIS, Database Systems, GIS Programming, Project Management

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

Software: ArcGIS Pro, QGIS, R, FME, Tableau, Adobe Illustrator, Enterprise Architect

Solutions and Tools: ArcGIS Online, ODK, Kobo Collect, QField

Programming Languages: Python, JavaScript, SQL

Databases: PostgreSQL, Spatialite, MS SQL Server

Libraries: GeoPandas, matplotlib, NumPy

Other: Git, ClickUp, Primavera P6, Microsoft Office Software, Zoom, MS Teams, TeamViewer

Languages: English (Bilingual Proficiency), Germany (Basic, A2)

Experience

Oakar Services Limited, Nairobi, Kenya

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%.
- Develop and conduct technical presentations and concept papers to clients and internal stakeholders.
- 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, Remote

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

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 administration.
- Acted as the technical point of contact for 1st, 2nd, and 3rd Levels of Technical Support.

Maintenance and Support of an Electric Utility GIS System

May 2021 – Sept 2023

Tech Stack: ArcGIS Enterprise, MS SQL Server, UT for ArcGIS, UT Server

- Troubleshoot, configure UT and ArcGIS Enterprise Systems, and Enterprise Geodatabase.
- Assess, identify, and provide training for key GIS personnel on system use and administration.

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.