



**Renjith.M.K.**  
Senior GIS Engineer

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### Summary

BCA graduate with 14+ years of experience in GIS. Specialized in ArcGIS, AUTOCAD and Micro Station. Area of expertise includes Data development & Quality Control, Possess sound technical knowledge. Consistently meet tight deadline schedules within dynamic environments. Strong belief in teamwork, committed workmanship and active team member, Quick learner and quick adaptability to new problem solving methods, Good inter-personal and communication skills

**Total Experience: 14+ years**

**Role: Senior GIS Engineer**

**Current Location: Kochin , India**

### Technical Skills

GIS/CAD Software	ESRI ArcGIS 10.1 / 10.2.1, AUTOCAD, MAXIMO, ArcFM
Spatial database	Oracle
OS	Windows XP/2000,2007
Other Software	MS OFFICE

### Experience Summary

Designation	Company	Period
Senior GIS Engineer	NeST IT, Cochin	Dec 2005 to Sep 2018 Aug 2020 to Till date
GIS Analyst	ADDC, Abu Dhabi	Sep 2018 to Aug 2020

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## Job Responsibilities:

- Data development
- Quality Control
- Data Analyzing

## Key Projects Handled:

### 1. Project Name: - ADWEA Onsite Project (G-14452)

**Project Details:** The scope of this project involves in the data conversion of electrical and water network components into GIS with the reference of the input provided for whole asset owned by ADDC. Input contains CAD drawing, Survey data in DXF, Personal Geodatabase, Single line diagrams, Satellite Imagery, Scanned drawings. K&A surveyors will take reference point of Transco Asset with all the available information on the field. The project involves the conversion of following networks

- Overhead Line Conversion
- Buried Electric line Conversion
- Substation Configuration
- Water Pipeline Conversion
- DXF creation for survey

**Role:** GIS Analyst at ADDC

**Environment:** ESRI ArcGIS 10.2.1, Auto CAD Map 2013, Maximo

### 2. Project Name: - ML Basemap FE

**Project Details:** The scope of the project is to extract planimetric features includes road lines, sidewalks, symbols, manholes, paint markings, traffic signals, electric poles, utility cables etc. by referring Fiber Route given by the client

**Role:** Digitizer/Quality Assurance/Delivery Process

**Environment:** ESRI ArcGIS 10.3, AutoCad map 2017

### 3. Project Name: - Saudi Electrical conversion (Dammam SEC)

**Project Details:** The project involves conversion of overhead & underground electrical network for Dammam, Khobar, Qatif, Ras Tanoura and Dhahran cities in Saudi Arabia. The objective of the project is adopting the Geo-database structure and format for data conversion and implements client specification provided for each kind of tasks involved in this project.

**Role:** Digitizer/Quality Control

**Environment:** ESRI ArcGIS 10.1

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**4. Project Name:** - Transmission Network

**Project Details:** GIS Data conversion of Transmission network of Saudi National Grid, which is divided into four areas Central Operating Area (COA), Western Operating Area (WOA), Eastern operating Area (EOA) and Southern Operating Area (SOA). The objective of the project is adopting the Geo-database structure and format for data conversion and implements client specification provided for each kind of tasks involved in this project.

**Role:** Digitizer/Quality Control

**Environment:** Arc GIS 10.1, 10.2.1

**5. Project Name:-** Tanis

**Project Details:** The scope of the project is to update the utility pole information using Mobile LiDAR Survey Mapping and Data Extraction Services for performing all operations for the Project located in Nashville, Tennessee. To identify the poles by geographical position, and then create database entries for each attachment referenced to the pole.

The minimum features to be updated include poles and relevant attachments like spans, anchors, guys, transformers, street lights, etc.

**Role:** Pole detailing (Data Conversion)

**Environment:** Bentley Micro Station v8i SS3, ESRI ArcGIS 10.1

**6. Project Name:-** OETC

**Project Details:** This project involves the configuration of electrical equipment's in Grid Stations for OETC in Oman area. The data for the equipment related to electrical network is being collected through site survey. NeST is involved the data conversion part of the project.

**Role:** Digitizer

**Environment:** ESRI ArcGIS 10.1

**7. Project Name:-** Abu Dhabi Water and Electricity Authority (ADWEA), Abu Dhabi - UAE

**Project Details:** The Data Alignment task is one of the main activities in the ADWEA Enterprise GIS Upgrade Project assigned to K&A. It aims at aligning all ADWEA Assets on the new land base adopted by the Municipality Town Planning Department (TPD).

**Role:** Digitizer/Quality Control

**Environment:** ESRI ArcGIS 10.1

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**8. Project Name:** - MEW, Kuwait (Electrical and Water Network Conversion)

**Project Details:** The scope of this project involves in the data conversion of electrical and water network components into GIS with the reference of the input provided for whole Kuwait using ArcSDE technology. Input contains Open ware and PACI parcels data, Satellite Imagery, Scanned drawings, CAD drawings, Single line diagrams, Geodatabase template, Data conversion guidelines document, Substation photos. K&A will collect the input from the MEW and took the photos of the Assets inside the substation. NeST involved in doing the entire Conversion part of this project. The project involves the conversion of following networks

- Low Tension Network (LT)
- Medium Tension Network (MT)
- Street Lighting Network (SL)
- Water distribution network

**Role:** Digitizer/Quality Control

**Environment:** ESRI ArcGIS 10.1

**9. Project Name:** - Tract Production

**Project Details:** Client has databases that represent land information at several states in the USA. Project involved updating the landbase based on several types of inputs like Tract Maps and Assessor maps provided as either AutoCAD file or Scanned images with the help of Satellite imagery. ESRI ArcGIS Desktop and Autodesk AutoCAD used for the project. Also involved in testing custom tools developed as part of this project.

**Role:** Testing Team Leader/ Technical Support/Digitizer

**Environment:** ESRI ArcGIS 10.1

**10. Project Name:** - ROW Easement Capture

**Project Details:** Creating telecom easement polygons using Right Of Way documents to keep the parcel database current for US counties. The upadtions are attributed in the Land base using ArcGIS 10.1 software.

**Role:** Testing Team Leader/ Technical Support/Digitizer

**Environment:** ESRI ArcGIS 10.1

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**11. Project Name: - Duplicate APN Project**

**Project Details:** Attribute correction of parcel database current for US counties. The updations are attributed in the Land base using ArcGIS 9.3 software.

**Role:** Testing Team Leader/ Technical Support/Digitizer

**Environment:** ESRI ArcGIS 10.1

**12. Project Name: - Tiger Street Updation (CALTRANS)**

**Project Details:** Client had a street network for several counties which was constructed using TIGER Shapefiles. Project involved updating the spatial and attributes information of these streets based on Tract Maps that were created in the past one year. ESRI ArcMap was used throughout this project.

**Role:** Quality Control/ Technical Support/Digitizer

**Environment:** ESRI ArcGIS 10.1

**13. Project Name: - CWS Data Alignment**

**Project Details:** The project involves the systematic alignment of existing water facilities and associated feature annotation for the California Water Service Company (Cal Water) district water system to a newly acquired landbase database which has different co-ordinate system. The project also includes compiling of atlas map book and hyperlink creation for all sheets as per the requirement and creation of distribution map for each water system in auto cad environment. Also involved in testing conflation tools developed on

**Role:** Quality Control/ Technical Support/Digitizer

**Environment:** ESRI ArcGIS 10.1, AutoCAD Map 2008 & 2014

**14. Project Name: - Utility Update Project, Center Point Energy, USA**

**Project Details:** The project scope included services related to updating state wide seamless land base using Tract Map with a specified Turnaround Times. The project also covers creation and update of GAS Main and Service. The updates in data were done through Multi User, Real time Remote database management.

**Role:** Quality Control/ Technical Support/Digitizer

**Environment:** ESRI ArcGIS 8.3

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**15. Project Name: - GIS Solutions for Kahramaa (Water)- Qatar**

**Project Details:** Scope of the Project was to redevelop the existing GIS applications, creation of water network data with house connections to latest ESRI Technology and conversion of Service Connection drawings & Engineering drawings such as Civil, Mechanical, Electrical, Piping and GIS drawings from scanned image format to vector data format (CAD).

**Role:** Quality Control/ Technical Support/Digitizer

**Environment:** Autodesk MAP 2000 & 2004

**Educational Qualification:**

Course	Institute/College	Board/University	Year
Diploma in Mechanical Engineering	Gvt. Polytechnic, Perumbavoor	State Board of Technical Education Kerala	2001
Bachelor of Computer Applications	Annamalai University	Annamalai University	2016

**PERSONAL PROFILE:**

- Father's Name: Kannappan MK
- Mother's Name: Valsala MN
- Gender: Male
- Marital Status : Married
- Date of Birth :06-Nov-1979
- Passport Number: K3878330
- Languages Known: English, Malayalam, Hindi
- Hobbies: Reading, Playing Cricket, Listening to music
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