Resume

Rahul Bhagat
Project Coordinator

Office: Pioneer Foundation Engineers Pvt Ltd	Home: R/O Gadyal
12th Floor, Sector 62	Teh. Hiranagar, Distt. Kathua
Noida-201309	Kathua (J&K) - 184148
Mobile: 9717966002	Mobile: 9717966002
Email: rahulrsgis.bhagat09@gmail.com	Email: rahulrsgis.bhagat09@gmail.com

_____

Education

MSc. 2010   Masters in Remote Sensing and GIS (Geographical Information System)from University of Jammu,Jammu
Dissertation: "*To Develop Web Based GIS application for BSES Yamuna PowerLimited Using Map Guide Open Source and ASP.Net*".

BSc.   2008   Bachelor in Geology, Geography with Mathematics from University of Jammu, Jammu

ProfessionalSkills

- GIS Data Processing: QGIS 2.18.19, ArcGIS 10.3 (Creation of digital GIS database, 3D Basemap, LULC) and Global Mapper.

- LIDAR Data Processing: Raw Lidar Point Cloud P2 (Pegasus 2) data processing (IE &AutoP), Data extraction on 3D Software, Lidar data feature extraction and Terramatch (P2 & ALS Data) using MicrostationSoftware.

- 3D Modelling: Creation of 3D Models (From LOD1 to LOD 3) of whole Jaipur City byusing Rhino 5 and HxMap (3D City Modeler) Software (By Hexagon/Leica).

- Image Processing Software: Experience with ERDAS Imagine 10 etc.

- Computer Programming: Basic knowledge of C, HTML Languages.

- Other Software: Use of MS Office Tools, Google Earth, Acrobat, Rockwork, Irfan View, Photoshop etc.

- Field work: Geological mapping of Shivalik Range of the Jammu division, GPS (Garmin-G72) survey of the dumping area of Jammu around Tawi River, DGPS SURVEY (Differential Global Positioning System) of the national highway from Jammu to Mansar.

Employment History/Experience:

09/2021 – Present   *Project Coordinator/Management*

Organization Name: - Pioneer Foundation Engineers Pvt Ltd, Noida.

Client: - Haryana Govt. (Municipal Committee), Delhi Govt. (DDA), Rajasthan Govt. (JDA).

Projects Name: - Waste Quantum Assessment of Dumpsite & Property Mapping.

Role and Responsibilities: -

- Coordinate internal resources and third parties/vendors for the flawless execution of multiple projects
- Ensure that all projects are delivered on-time, within scope and within budget
- Assist in the definition of project scope and objectives, involving all relevant internal stakeholders and ensuring technical feasibility
- Ensure resource availability and allocation
- Develop a detailed project plan to monitor and track progress
- Manage changes to the project scope, project schedule, and project costs
- Measure performance using appropriate project management techniques
- Report and escalate to management as needed
- Manage the relationship with the client and relevant stakeholders
- Establish and maintain relationships with third parties/vendors
- Create and maintain comprehensive project documentation
- Meet with clients to take detailed ordering briefs and clarify specific requirements of each project
- Delegate project tasks based on junior staff members' individual strengths, skill sets, and experience levels
- Track project performance, specifically to analyze the successful completion of short and long-term goals
- Develop comprehensive project plans to be shared with clients as well as other staff members
- Attend conferences and training as required to maintain proficiency
- Perform other related duties as assigned
- Develop spreadsheets, diagrams and process maps to document needs

03/2021 – 09/2021   *Sr. Manager GIS/LiDAR*

Organization Name: - Matrix Geo Solutions Pvt Ltd, Delhi.

Client: - Indian Railways, NHAI, Dalmia Group

Project Name: - LiDAR Survey, Data Processing and Vectorization for the Electrification of the Northern Frontier Railway.

Role and Responsibilities: -

- Develop, maintain, and administer task automation workflows for GIS analysis and production and data management.
- Manages and independently executes and delivers GIS projects of moderate to significant scope and complexity.
- Develop responses to RFP (Request for Proposal)/SOP (Standard Operating Procedure) solicitations and scopes of work for potential clients.
- Participate, develop and lead implementation projects to improve map creation/Expansion and maintenance processes.
- Assist with the management delivery of small projects or a small programme of work with minimal supervision.
- Provides documentation on the source and evolution of spatial data.
- Facilitates vendor selection process and manages vendor relationships.
- Effectively manage multiple projects and clients simultaneously while continuing to provide high quality delivery and support.
- Manages day-to-day operational aspects of a project and scope.
- Develops lasting relationships with client team members.
- Help to provide high quality, timely GIS advanced technical support forcustomers.
- Develops and manages short and long termprojects.

07/2018– 03/2021   *Team Leader (Remote Sensing /GIS Specialist)*

Organization Name: - Genesys International Corporation Ltd, Mumbai

Client: - DOIT (Rajasthan Govt.)

Project Name: - Creation of 3D Modelling of the whole Jaipur City with the implementation of Geospatial Technology.

Role and Responsibilities: -

- Serving as GIS Technical Team Leader to ensure that work is performed accurately in a timely fashion to meet project goals.
- Understand performance parameters and assess data processingperformance
- Perform work distribution and management of teammembers
- Follow development and implementation procedures, including the developmentand execution of test plans, change control and development of systemdocumentation
- Provide detail and summary reporting on global GIS analytics for seniormanagement
- Effectively manage multiple projects and clients simultaneously while continuing toprovide high quality delivery andsupport.
- Assists others in team with workoverflow
- P2 (Pegasus 2) Raw Data Processing (IE &AutoP)
- Data extraction on 3DSoftware.
- Lidar feature extraction usingMicrostation.
- LIDAR Data adjustment (Terramatching of Pegasus 2 & ALS Data) using Microstation Software.
- Creation of 3D building models with the help of 2D & LiDAR data by using Rhino 3Dcity and HxMap Software.
- Creation of 3D Basemap by using QGIS Software.

04/2016 – 07/2018   *Lead Associate (Remote Sensing / GIS Specialist)*

<u>**Organization Name**</u>**: - Innodata India Pvt Ltd, Noida**

<u>**Client**</u>**: - Elsevier**

<u>**Project Name**</u>**: - Georeferencing and Mosaicing the Raw Tiff Satellite images of the whole world & Geological maps Georeferencing and Geotagging (Country Name, Basins, and Oil & Gas fields).**

<u>**Role and Responsibilities**</u>**: -**

- To arrange training and Feedback sessions to improve the quality ofproduction
- Client meetings, Client Calls, TeamManagement
- Georeference map sheets and satellite images
- Geo-tagging the Geo tiff mapsheets
- Collection, storing, retrieving and analyzing of the spatialdata.
- Support in developing and managing inter-departmental/inter-agency's remote sensing based environmental monitoring projects and coordinating District-wise remote sensing activities.
- Support in exploring integration of RS, GIS & GPS (e.g. Mobile GIS, flying geospatial equipment on Blimp) for improved environmental monitoring and assessment.

06/2014 – 03/2016   *Senior Associate (Remote Sensing/GIS Specialist)*

<u>**Organization Name**</u>**: - Innodata India Pvt Ltd, Noida**

<u>**Client**</u>**: - Elsevier**

<u>**Project Name**</u>**: - Georeferencing and Mosaicing the Raw Tiff Satellite images of the whole world & Geological maps Georeferencing and Geotagging (Country Name, Basins, Oil & Gas fields).**

<u>**Role and Responsibilities**</u>**: -**

- Generate the XML file of Geo-tagged area which are include the country name, oil fieldgas field, basin name and region name with bonding coordinate and theirattributes
- Collection, storing, retrieving and analyzing of the spatialdata.
- Geo-tagging and Geo-coding the Geo tiff mapsheets
- Support in developing and managing inter-departmental/inter-agency's remote sensing based environmental monitoring projects and coordinating District-wise remote sensing activities.
- Support in exploring integration of RS, GIS & GPS (e.g. Mobile GIS, flying geospatial equipment on Blimp) for improved environmental monitoring and assessment.

07/2013 – 06/2014   *Geospatial Application Engineer (Remote Sensing/GIS Specialist)*

Organization Name: - **RSI Softech India Private Limited, Hyderabad**

Client: - **Indian Defence (BSF)**

Project Name: - **3D Modelling of the IB (International Border) of whole Punjab (BSF Covered Area).**

Role and Responsibilities: -

- Georeference the toposheets and satellite images.
- Mosaicing and subsetting the satellite images and use it for applicationpart.
- Creation of digital database of the international border and different location of the area under defense in whole Punjab state with the information (like Border Fence Length, OperationTower, Indian BOP etc,) which is very much helpful for thedefense.
- Creation of the 3D Model of the Border Fence, Operation Tower andBOP.

11/2011 – 03/2013   *Research Fellow (Remote Sensing/GIS Specialist)*

Organization Name: - **Punjab Remote Sensing Centre, Ludhiana**

Client: - **Punjab Govt.**

Project Name: - **Creation of digital database of the drinking supply sources of whole Punjab State.**

Role and Responsibilities: -

- Done GPS Water Resources Field Survey and Collection of water samples from functional water sources of the area.
- Creation of digital database of the drinking supply sources with the help of ArcGIS 9.3.
- Create the map of the area with the drinking supply sources with the information of the sources.
- Creation of the profile structure of the Tubewells and Handpumps below the earth with the help of the Rockworks software.

02/2011 -09/2011   *Digitizers (Remote Sensing/GIS Specialist)*

Organization Name: - **Government of Jammu and Kashmir, Department of Environment and Remote Sensing,Srinagar**

Client: - **J&K Govt.**

Project Name: -

- Mapping and Creation of digital database of Wetland areas of J&KState
- NUIS {National Urban InformationSystem}.

Role and Responsibilities: -

- "Mapping and Creation of digital database of Wetland areas of J&K State (State Govt.Project)"and

- NUIS {National Urban Information System}: "To generate thematic data such as Urban Landuse, Surface water body, drainage, canal, transportation network on 1: 10000 scalefor perspective development of the towns in Jammu and KashmirDivisions".

- Telecom Experience with Planning and Designing of FTTH network. Approve Planningof Optical Fiber in GIS Environment. Prepare schematic of fiber network routes, Structure placement, digitization andcodification.

Certifications

- Lean Six Sigma Black Belt (ICBB) (Certified by Simplilearn)
- Minitab (Certified by Simplilearn)
- Certified Lean Six Sigma Green Belt (Certified by Simplilearn)
- Lean Management (Certified by Simplilearn)
- Introduction to Digital Marketing (Certified by Simplilearn)
- Introduction to Project Management (Certified by Simplilearn)

Awards

- **Star Employee** for the month of August 2016 (Innodata India PvtLtd)

- Innodata Spot Award in recognition of the **"Brilliant Performance"** for the Quarter Jan-March2017.
- **Star Employee,** Awarded for outstanding contribution to the organization for **Lidar Processing** (Genesys International Corporation PvtLtd)

Abilities

- Creating and keepingdeadlines
- Goal setting and meetinggoals
- Decisionmaking
- Teammanagement
- Projectmanagement
- Makingschedules
- Problemsolving
- Multitasking

Interests

Photography, Travelling, Music, Driving.

Languages

Can read, write and speak English, Hindi, Punjabi and Dogri fluently.

Professional Experience

Work Experience: - 11 years of experience in Geospatial Technology/Project Management.
Current Employee: - as a **Project Coordinator** at "Pioneer Foundation Engineers Pvt Ltd, Noida".
Previous Employee: - as a **Sr. Manager-GIS** at "Matrix Geo Solutions Pvt Ltd, Delhi".
Functional Area: -Project Management**,** Research & Development in LiDAR Data, Remote Sensing & GIS Data.

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

November, 2021   **(Rahul Bhagat)**