GORAL THAKKAR

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Summary

- An articulate developer having more than half a decade of experience in software development and GIS functionality development.
- Education - BE(IT), MSc(GIS)
- Flexible, quick learner, hard-working, adaptable to changing priorities in a fast-paced environment.
- Good interpersonal, cross-team and cross-geography collaboration skills.

Skills

Programming:	C#,Python
Microsoft Technologies:	WCF, ADO.Net, Windows Forms
Libraries:	ThinkGeo, Leaflet, OpenLayers, Google API, Mapserver,SAHANA Opensource system
Architecture:	Layered Architecture
Supporting Tools:	TFS, JIRA, Git
GIS Software Registry:	ARCGIS, QGIS, ARCGIS Online, ARCGIS Pro
Database:	SQL Server, MS-Access,Postgresql, MSSql
Framework:	Entity Framework

Certifications

- Spatial Data Science : The new Frontier in Analytics by ESRI (Oct 2024)
- Citizen Data Science Using Python by KEDM and Infosys Springboard (Sep 2024)
- Artificial Intelligence and Machine learning fundamentals by KEDM and Infosys Springboard (Aug 2024)
- Python for Data Science by KEDM and Infosys Springboard (Aug 2024)
- Python with Arcpy (June 2022)
- Advanced GIS training for web development (May 2017)

*KEDM - Karnataka Digital Economy Mission

Work Experience

ThinkBridge Pvt Ltd.   (Remote) Pune
Software Engineer (SME of GIS)   Nov 2022 – Feb 2024

- Domain knowledge transfer of GIS functionalities. (Projection system, State Plane Feet Projections,Buffer, Symbology, Filter on spatial data, Raster Images, Georeferencing,Layer concept,attribute display etc.)
- Participation in Agile development processes including daily stand-ups, sprint planning and retrospectives.
- Input given on design , development concepts for integrated system
- Developed and implemented data transformation and migration workflows with spatial queries
- Migration done from data generated through ARCGIS to a newly developed system for Utility, Land info, Parcel info related data.
- Independent GIS mapping module development - Which is able to display given location with given image, configurable map style etc.
- Participation in product demos & discussion with stakeholders on GIS functionality development.

Freelancer :   Apr 2017-Dec 2019

- Web Application used by different industry users to get required layers and do analysis
- Web based GIS Application with Postgres. Which includes spatial query implementation to get parameterised data directly from the database.
- Google API to search nearby location from database
- Poor Air Quality Area Mapping using GIS

Laminaar Aviation Infotech   Bangalore
Software Engineer(GIS)   Apr 2012–Apr 2017

- Development of GIS functionalities using C#.Net, Thinkgeo api in Enterprise system
- On-the-fly assignment of different geographic projections
- Creation and management of spatial data
- Overlaying contours using tile concept
- Dynamically process and plotting of weather information using image, fonts
- Georeferenced and Non georeferenced image overlaying
- Algorithm development for applying analytical functionalities of aviation domain
- Mentoring and knowledge transfer on the GIS domain to team members.

Organization: GVK EMRI 108 GIS Integration with 108 Emergency Management System:

GIS Trainings Conducted:

1. Workshop on Disaster management and GIS at CEPT University
2. Introduction to GIS Training for Air Force Personnel at DAIICT

SEWA   Ahmedabad
Senior Software Developer   Oct 2006-July 2010
- Integrated S/W for Low cost medicine shop
- Compiere Open Source ERP
- Insurance & Claim Processing Module
- Training Software
- Health Project

Education

Msc(GIS) from Cept University (70%-74%)   June 2011

BE(IT) from Hemchandracharya North Gujarat University(68%)   May 2006

O & A Level (DOEACC) (A Grade)   July 2003 – Jan 2006