Swati Gohel

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Career Objective

To obtain employment with a company that offers a positive atmosphere to learn and implement new skills and technologies for the betterment of the organization, which give me satisfaction and also help to achieve my personal and organizational goals.

Career Snapshot

- A **Software Engineer** with experience in Software Engineering, Desktop Application Development.
- Worked in all phases of **SDLC** including Requirements, Development, Testing, Execution and all.
- Experience in **C++, MFC Dialog based application, Python, C++ ATL and COM library, SQL(Basic).**
- Worked on in **Windows Programming, Applications using VC++ MFC**.
- Strong Debugging, Analytical and Problem Solving Skills.
- Knowledge of BIM technology.
- Little bit knowledge about IFC standard and CAD software.
- Good experience in working under fast paced agile environments (**Scrum**) for Software Development.
- Hands on experience in Version control software like **Bit bucket**.
- Effective interaction with another department, good communication, interpersonal & analytical skills.
- Strong communication, collaboration & team building skills with proficiency at grasping new technical concepts quickly and utilize them in a productive manner.

Work Experience

- Presently working with **SCANPOINT GEOMATICS LTD.**, Ahmedabad, as a **Software Engineer – Product development** since July 2020 till date.

Technical Skills Set

Languages/Frameworks	**:** C++, Python, COM, VC++ MFC
Source/Version Control	**:** Atlassian Bitbucket, SourceTree as Git GUI client
Agile Tool	**:** Atlassian Jira
Domains	: Image Visualization , Drone Processing, Geographical Information System etc.
Packages	**:** Microsoft Visual Studio VS 17,PyCharm
Database	**:** PostgreSQL 9.2

Career Sketch

Organization	:	**SCANPOINT GEOMATICS LTD.**
Designation	:	**Software Engineer**
Tools used	:	Scrum, Jira 8.15, Bitbucket 7.10, SourceTree 4.2.0
Platform	:	Visual Studio 2017
Environment	:	C++, VC++, MFC, PostgreSQL 9.5 DB, Python

- Develop modules in C++ MFC dialog based application.
- Create drone mapping modules in which input taken as images and processing different types of algorithm and generate different output.
- Develop Image property editor, GCP manager, Output Coordinate system etc. from scratch.
- User can add, remove ,import or export GCP as well as MTP.
- Integrate modules in IGiS software , these modules are used in the filed of agriculture, constructions, surveying, mining etc.
- Visulization of particular output is in IGiS.
- Interaction and sessions for other department, developments and further enhancements, solving live bugs.
- Provide technical solution to the team and guiding the same.
- R & D, and also understanding a specific requirements.
- Analysis of business requirement specifications and design for change requests.
- Windows development, coding UI and Standalone applications using MFC C++.
- Also I have worked in core product development and part of development/Enhancement of modules and functionalities for various areas.
- Worked on Smart tiler and some image processing modules that generate tile in particular format, also knowledge of bim server , bim surfer and all.
- Knowledge of IFC file and it's standard and visualization of this file in particular viewer.

Scholastics

- B.E (Bachelor of Engineering) in Information Technology from L.D.College of Engineering Ahmedabd (**CGPA : 8.82**)
- H.S.C (Higher Secondary School Certificate) from K.G.Dholakiya, Rajkot (**90.30 %**)
- S.S.C (Secondary School Certificate) from K.G.Dholakiya , Rajkot (**93.50 %**)

Certifications :

- Machine Learning to deep learning (04/2022 – 08/2022).
- In this course learn about basic machine learning and artificial intelligence.

Other Skills:

- Team Work
- Project Management
- Complex Problem Solver
- Leadership.

I solemnly affirm that the information furnished above is true in all respects, to the best of my knowledge.

-Swati Gohel-