

RAJESH RAWANI

OBJECTIVE

To excel in the field of **Software and Customized Application Development**

SUMMARY OF WORK EXPERIENCE

Have total experience of **7.5 years of software development experience at various levels in the software industry.**

- **December 2006 – Present**
Jharkhand Space Applications Center (Dept. of Information Technology) as **Programmer.**
- **September 2004 – December 2006**
Jharkhand Space Applications Center (Dept. of Information Technology) as **Computer Asst.**
- **June 2002 – July 2004**
Apostle Software (Pvt.) Limited, Dhanbad, Jharkhand (India) as **Software Developer**
- **January 2002 – July 2004**
Indira Gandhi National Open University (IGNOU), Dhanbad as **Lecturer (Part Time)**
- **1st March 2001 – 30th August 2001**
Sterlite Training Institute, Dhanbad, Run by *STERLITE FOUNDATION MUMBAI* as **Project Trainee.**
- **3rd January 2000 – 30th June 2000**
Central Mining Research Institute, Barwa Road, Dhanbad-826001 **Project Trainee**

PROFESSIONAL TRAININGS

- **ENVI 4.3** : Basic Training from 7th to 8th May 2009 at JSAC, Ranchi
- **ArcIMS 9.3** : Training from 27th January 2009 at JSAC, Ranchi
- **ArcSDE 9.1** : Training from 03/07/2008 to 04/07/2008 at JSAC, Ranchi
- **ERDAS 9.0**: Basic Training from 3rd to 5th June 2008 at JSAC, Ranchi
- **EDUSAT based Training on Remote Sensing, GIS and GPS** held during Aug 25th to Nov 07th, 2008 from Indian Institute of Remote Sensing (IIRS), Dehradun
- **Geomatica V 10.1**: Basic Training from 8th to 10th July 2008 at JSAC, Ranchi
- **ArcIMS and ArcSDE 9.1** : Training from 01th to 02th July 2008 at JSAC, Ranchi
- **ERDAS 8.7**: Basic Training from 16th to 22nd September 2004 at JSAC, Ranchi
- **Oracle 9i**: Advance Training from 04th to 07th October 2004 at DIT, Ranchi
- **ARC GIS 9**: Basic Training from 14th to 18th December 2004 at JSAC, Ranchi
- **Trimble DGPS 5700 & 5800**: Basic Training from 16th to 19th May 2005 at JSAC, Ranchi

- **.NET (VB.NET) by NIIT , Ranchi:** Basic Training from 1st June 2005 to 31st July 2005 at NIIT, Ranchi
- **.NET (VB.NET & ASP.NET) by Microsoft Inc. , Delhi:** Advance Training from 19th September 2005 to 1st October 2005 at DIT, Ranchi

PROFESSIONAL QUALIFICATION

- **MCA** with 66.28% from IGNOU in the year 2001
- **ADCA** with 64.41% from IGNOU in the year 2000
- **BCA** with 64.33% from IGNOU in the year 1999
- **M.Sc (Geo-Informatics)**(Pursuing) from Sikkim Manipal University since year 2008

PROFICIENT SOFTWARE SKILLS

- **VB.Net and ASP.Net 2003 and 2005** as Front-end and **Oracle 8/8i/9i or Access 2000/Xp/2003** as Back-end.
- **VISUAL BASIC 6.0** as Front-end and **Oracle 8/8i/9i or Access 2000/Xp/2003** as Back-end.
- **Internet Tools:** HTML, XML, DHTML, Java Script, VB Script.
- **Database:** Oracle 8/8i/9i
- **Report /Designing Tools:** Crystal Report 6.0/8.0/9.0/11.0, Flash 4/5.
- **Socket programming in C/C++** in **Unix/Linux** Platform.

PROFICIENT GIS SKILLS

- **ARC GIS 9.0/9.1/9.2/9.3** in Windows Platform.
- **ERDAS 8.7/9.0/9.1/9.2/9.3** in Windows Platform.
- **ARC IMS 9.1/9.2/9.3 and Arc SDE 9.1** in Windows Platform.
- **Map Objects 2.4** in Windows Platform.
- **ArcView 3.2a**

PUBLICATIONS

- 1) **Rajesh Rawani**, Najmul Hoda, and A.P. Subudhi (2005). **E-Khatian: A GIS Based Application For Land Records Management**. Abstract Published in 25th ISRS Annual Convention and National Symposium on *Emergence of Geoinformatics For Development: Trends and Opportunities* (December 6-9, 2005), Ranchi, Jharkhand.
- 2) Najmul Hoda, **Rajesh Rawani**, Gautam Talukdar and A.P. Subudhi (2005). **e-Mining: A GIS Based Application For Mining Lease Management**. Abstract

Published in 25th ISRS Annual Convention and National Symposium on *Emergence of Geoinformatics For Development: Trends and Opportunities* (December 6-9, 2005), Ranchi, Jharkhand.

- 3) Ravish kumar, **Rajesh Rawani** and A.P. Subudhi (2005). **E-Panchayat: A Web Based Application for Distributed Dynamic Mapping and data Access system for Panchayats of Jharkhand State**. Abstract Published in 25th ISRS Annual Convention and National Symposium on *Emergence of Geoinformatics For Development: Trends and Opportunities* (December 6-9, 2005), Ranchi, Jharkhand.
- 4) Baraik, V.K., **R. Rawani** and A.T. Jeyaseelan, **VASUDHA: CITIZEN CENTRIC LAND RECORDS INFORMATION SYSTEM (A Pilot Project for Lohardaga District, Jharkhand)**, National Symposium on Advances in Geo-Spatial Technologies with Special Emphasis on Sustainable Rainfed Agriculture and Annual Convention of Indian Society of Remote Sensing (ISRS), held in Nagpur during September 17-19, 2009.

SKILL SET

Java Technologies	J2EE,EJB,JSP
Languages/API	C, C++, VB 6.0, SQL, PL/SQL, COBOL, FORTRAN, PASCAL, D2K, PYTHON
Report /Designing Tools	Crystal Report 6.0/8.0/9.0/11.0, Flash 4/5
Database	Oracle 8/8i/9i, MS SQL Server, MS-Access 2000 /XP /2003
Internet Tools	HTML, XML, DHTML, ASP, Java Script, VB Script, MS-FrontPage 2000/XP/2003,PhP
Administration	Windows NT/2000/2003/XP, Linux ,Unix
Artificial Intelligence	Lisp, Prolog
.Net Technologies	C#, VB.Net, ASP.Net
GIS Software	ARC GIS 9.0/9.1/9.2/9.3, MapObjects 2.2/2.4, Arc Objects, Arc IMS 9.1/9.2/9.3 , ArcSde 9.1
DIP Software	ERDAS 8.7/9.0/9.1/9.2/9.3
Others skills	Software Engineering, Data Structures & Algorithms, OOAD.

- **Indira Gandhi National Open University (IGNOU)**, Dhanbad, Jharkhand.

Taught to the students of BCA: JAVA (core), VB 6.0, C, C++, SOCKET PROGRAMMING USING C (in UNIX platform) and VB (in WINDOWS platform)

Taught to the students of MCA: ARTIFICIAL INTELLIGENCE, RDBMS, LISP, COBOL, FORTRAN, C WITH DATA STRUCTURE.

- **Sterlite Training Institute**, Dhanbad, Run by *STERLITE FOUNDATION MUMBAI*
 Project name –Computerize Tourist Guide Package
 Platform - Dos 6.0 / Windows 98
 Language - C++.

- **Central Mining Research Institute**, Dhanbad-826001
 Project name -Management Information System of CMRI
 Platform - Dos 6.0 / Windows 98
 Language - C++.

PERSONAL DETAILS

Father's Name LAXMAN RAWANI
Date of Birth 14th November 1977
Sex Male
Correspondence Address Rajesh Rawani
 Jharkhand Space Applications Center, Dept. of IT, 2nd Floor
 Engineers Hostel –I, Near Golchakkar, Dhurwa, Ranchi-834004,
 Jharkhand.Ph.No- +91-651-2401719,Mobile-09835397979
E-mail Id. rajesh_rawani@yahoo.com, rajesh_jsac@jharkhand.gov.in,
rajeshrawani@gmail.com
Language English, Hindi
Country India
Hobby Reading Books, Driving latest bikes, Watching Movies, Listening Music.

PROFESSIONAL EXPERIENCE

- **Jharkhand Space Applications Center** (Dept. of Information Technology,) Govt. of Jharkhand, Ranchi, Jharkhand

Web GIS based School Information System	Tools	Windows 2003, JavaScript, ASP.net 2005, HTML, ARC IMS 9.3
	Duration	4 month
	Team	1
<u>Description</u> Develop Web GIS based School Information System where spatial data of school location have been integrated with the details of each school provided by the JEPC.		

Web GIS based Watershed Management Information System	Tools	Windows 2003, JavaScript, ASP.net 2005, HTML, ARC IMS 9.3
	Duration	4 month
	Team	1

Description

Develop Web GIS based watershed information system where all the natural resource layers with watershed boundaries have been integrated. The authorized users at district/block level can view the watershed and its detail and upload or edit the treatment status in real time. It posses the capability to generate the action plan for land and water management.

Web GIS Based Watershed Planning for Angra Block	Tools	Windows 2003, JavaScript, ASP.net 2005, HTML, ARC IMS 9.3
	Duration	2 month
	Team	1

Description

Develop Web GIS based watershed information system for Angra Block of Ranchi District where all the natural resource layers with watershed boundaries have been integrated. Also demographic and facility data is integrated.

Web GIS Based Jharkhand Agriculture Information System	Tools	Windows 2003, JavaScript, ASP.net 2005, HTML, ARC IMS 9.1
	Duration	4 month
	Team	1

Description

Objective of this web application is for real time monitoring of agriculture in the state using five day revisit AWIFS data of Indian Remote sensing Satellite (IRS) for drought assessment, drought early warning and drought decision support.

Jharkhand GIS	Tools	Windows 2000, Asp, JavaScript, Arc IMS, Front Page 2003, Photo Shop
	Duration	1 Month
	Team	2

Description

It is an integrated information system under single umbrella where any given information can be viewed and analyzed independently as well as in relation with each other since every aspects starting from physical features or natural resources to infrastructure and other features resulted from the human activities. This site has been developed and designed to provide all kinds of map and GIS based thematic layers in a single platform for easy accessibility of all Government Offices and public at large.

Village Profile	Tools	Windows 2000, VB 6.0 ,MapObjects 2.0 , Crystal Report 9.0, Access 2003
	Duration	1 Months
	Team	2

Description

Village Profile is an information system, which gives almost all spheres of information related to a village except village level thematic map. This program is designed to provide detailed information starting from State upto village level with simple click of a button. It gives the information about a villages in detail and also the details about each and every entity of the village like all kinds of information about each and every school, health facility, well, handpump, infrastructure, *gram-sabha*, headman, etc.

e-Panchayat

Tools	Windows 2000, VB6, Arc Reader, Access 2003
Duration	3 Months
Team	4

Description

Objective of this Project includes creation of panchayat maps with demarcation and creation of newly constituted panchayat based on the latest population along with socio-economic data. The customized system will be used for updation, retrieval and management of the digital database thereby acting as a major tool for e-Governance. e-Panchayat aims to generate the digital maps that will be made available for the users ranging from administrators, planners, politicians, NGO's to the villagers and the common people.

Jharkhand Minerals Resources Information System(e-mining)

Tools	Windows 2000, VB 6.0 ,MapObjects 2.0 , Crystal Report 9.0, Access 2003
Duration	6 Months
Team	1

Description

The e-mining is need –based computer based application module offering a solution to efficient for creation, updation, monitoring and management of all mining related activities. The database was created using Arc GIS 9 software and the application was developed using visual basic 6 , Map Object 2.2 and Crystal Report 9. The customized application is very user-friendly.

Land Information System (Web Application)

Tools	Windows 2000, VB 6.0 ,MapObjects 2.0 , Crystal Report 9.0, Access 2003
Duration	2 Year
Team	1

Description

LIS provides details about the land records (Khatian and Revenue document) along with the dynamically linked cadastral map. It also has the capability of query and spatial analysis. The system offers very easy and simple access to the information by anyone from anywhere. The true replica of khatian document may be generated and printed instantly with bar coded authentication. Similarly maps for individual plots or entire or par of village may be easily viewed and printed

Land Information System (Intranet Application)

Tools	Windows 2000, VB 6.0 ,MapObjects 2.0 , Crystal Report 9.0, Oracle 9i
Duration	2 Year

	Team	1
<u>Description</u>		
LIS has all those capabilities mentioned above in the internet application section along with many other features like data entry and editing, very sophisticated query module including spatial one, integrated mutation capability real time updation of khatian and register II documents and also of cadastral map		

Develop an official website for Jharkhand Space Application Center	Tools	Windows 2000, JavaScript, HTML, Photo Shop
	Duration	2 Months
	Team	1
<u>Description</u>		
The official website of JSAC gives detail information regarding the major activities in the organization such as ongoing project, Future Project, Past Project, workshop , events, seminars , careers, etc.		

Develop Application Software for Rainfall Data.	Tools	Windows 2000, VB 6.0 ,MapObjects 2.0 , Crystal Report 9.0, MS Access 2003
	Duration	2 Months
	Team	1
<u>Description</u>		
It records the rainfall data and generates the map according the entered data. It also generates the report such as monthly and yearly.		

Develop a website for EYGIPLAD Project	Tools	Windows 2000, XML, HTML, JavaScript, Arc IMS 9.1, Photo Shop
	Duration	2 Months
	Team	1
<u>Description</u>		
EYGIPLAD is a concept of real empowerment of villagers using the latest technology. This is a modest effort to take the elite technology till recently to the villagers with easy utilization for the simplified understanding of their resources and environment. The EYGIPLAD enables the villagers to create GIS based database related to their resources and also to analyze for their own development planning especially related to land, water, forest, agriculture, school and other since center. It is a reflection of grassroot initiative to bring the entire country into the mainstream of development network covering even the remotest area and the lowest strata of the society.		

PMGSY Information System (Jharkhand Space Applications Center)	Tools	Windows 2000 ,VB 6.0 ,Arc Reader
	Duration	4 Months
	Team	1
<u>Description</u>		
Prime Minister Gram Sadak Yojana is a customize Software developed for Department of IT, Govt. of Jharkhand. This software provides online Access to any person to browse through Roads Maps of any Parts of Jharkhand State on a Click.		

Salary Software (Jharkhand Space	Tools	Windows 2000,VB 6.0 ,Access 2003 Crystal Report 6.0

Applications Center)	Duration	1 month
	Team	1
<u>Description</u> It will calculate the salary of all the employees and generate pay slip.		

- **Apostle Software (Pvt.) Limited, Dhanbad, Jharkhand (India).**

Computerized Crew Booking Point (Eastern Railway, Dhanbad)	Tools	Windows 2000,V.B 6.0,Ms Access
	Duration	3 Month
	Team	3
<u>Description</u> To computerize the crew booking system of eastern railway. This project was implemented at 10 stations and connected all the station with DRM office Dhanbad using dial up networking.		

High Speed Diesel Oil Procurement System (Eastern Railway, Dhanbad)	Tools	Windows 98,V.B 6.0,Sql Server 7.0
	Duration	3 Month
	Team	3
<u>Description</u> To maintain the HSD Oil Pool of Eastern Railway Dhanbad.		

Capital & Works Accounting System (Eastern Railway, Dhanbad)	Tools	Windows 98,V.B 6.0,Sql Server
	Duration	3 Month
	Team	3
<u>Description</u> To maintain the accounting system of the accounts department for the proper functioning so that the entire Division should function properly.		

Computerization of control Room (Eastern Railway, Dhanbad)	Tools	Windows 98,V.B 6.0,Sql Server 7.0
	Duration	3 Month
	Team	3
<u>Description</u> To computerize the control room including the online charting of the trains and kilometer calculation. Linked with all the control room in the eastern railway using RAS configuration.		

Directory Enquiry System (BSNL Dhanbad)	Tools	Windows 98,V.B 6.0,Ms Access
	Duration	3 Month
	Team	3
<u>Description</u> To computerize the 197 (Directory Enquiry System)		

Pathological Lab. Monitoring System	Tools	Windows 98,V.B 6.0,Ms Access, Crystal Report
	Duration	3 Month
	Team	3

Description

This project automates the entire Pathological Lab by generating computerize reports, daily Transaction and all the day to day work of pathological lab.

Mess Management System	Tools	Windows 98,vb 6.0 , Ms Access 2000,Crystal Report 6.0
	Duration	3 Month
	Team	2

Description

This project automates the entire Mess by Generating computerize reports(Daily report, Monthly report, Yearly Report, Payment Slip, Trainee Report etc.) and to maintain the accounting system for the proper functioning so that the entire Mess should function properly.

Staff Management System of Commercial Section Dhanbad Division East Central Railway	Tools	Windows 98,vb 6.0 ,Oracle 8.0 Crystal Report 6.0
	Duration	2 Month
	Team	2

Description

Maintain the details of the staff posted at different stations in Dhanbad division. To keep the details of surplus/less staff at different stations. This project generates various reports regarding staff details of the commercial sections.

Information system of PWD (Public Works Department) Govt. Of Jharkhand	Tools	Windows 98,vb 6.0 ,Oracle 8.0 Crystal Report 6.0
	Duration	2 Month
	Team	2

Description

1. To Keep record of the staff Working in the department and also record of the strength of the staff at any subdivision
2. To keep record of the details of the road.
3. To keep record of the details of the account of the various construction works and other day to day expenses incurred by the department.
4. To generate computerize Report.

REFERENCES

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