

**Amit Sinha**

Current Location: Johannesburg, South Africa  
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**Career Objective:**

To pursue a challenging and satisfying career in the company and to be a part of a progressive organization that gives me a scope to enhance my knowledge and skills in order to cope with the latest technological changes.

**Educational Qualification:**

Bachelor of Technology (Computer Science).

**Employment Details:**

- DATAWORLD INFORMATION SYSTEMS PVT LTD, NOIDA (South African Company) as Team Leader (Technical) from August 2007 to till Date.
- Sigma tree Technologies, Bangalore as Software Engineer from June 2006 to August 2007.

**Technical Skills:**

Have around **11 Years** of **IT** experience on **Microsoft Technologies (7 Years in GIS Programming)**.

- Dot Net Framework 2.0, 3.5, 4.5.
- ArcGis, Arcgis server, Arcgis Silverlight API, Arcgis Javascript API.
- C#, ASP.NET, SQL Server, Web Services, JavaScript, Ajax, SVN, VSS, Silverlight 4.0.
- iTextsharp.dll( For GEO PDF Generation )
- Visual Studio.NET 2005, 2008 and 2010
- Unit test using Visual Studio Team System.
- HTML, Adobe Photoshop
- 7 year experience on GIS domain with Dot net framework (ESRI, Map server API, Quantum GIS, Open Layers, Spatial Database like postgis and SQL Spatial).

**IT Employment Details:****Job Responsibilities:**

- ✓ Involved in design and development of the application.
- ✓ Works with client personnel to identify required changes.
- ✓ Taking active part in development of allocated modules, and phase-wise testing for the same.

**Project # 1****GIS VIEWER FOR ONLINE LOCATION SEARCH**

**Language / Tools used** C#, ASP.net, Visual Studio 2010 Framework 3.5, Silverlight 4.0

and ARCGIS SERVER 10.1.

**Client:**  
**Etheekwini Municipality Departments, South Africa.**

**Role Play: Team Leader and Senior Developer (GIS Module)**

**Responsibilities Held:**

- Involved in the requirement gathering and analysis process by interacting with the client.
- Involved in design and development of the application.
- Coding, Report Design testing of the application programs.
- Implementation & Supporting at customer place.

**Project # 2**

**GIS Viewer (Start from Feb 2015 and still in development)**

**Language / Tools used** C#, ASP.net, Visual Studio 2010 Framework 3.5, Silverlight 4.0, JavaScript API and ARCGIS SERVER 10.1.

**Client:**  
**Nelson Mandela Bay Municipality Department, South Africa.**

**Role Play: Team Leader and Senior Developer (GIS Module)**

**Responsibilities Held:**

- Involved in the requirement gathering and analysis process by interacting with the client.
- Involved in design and development of the application.
- Coding, Report Design testing of the application programs.
- Implementation & Supporting at customer place.

**Project # 3**

**GIS INTERFACE FOR ONLINE MINING PERMIT APPLICATION PORTAL**  
**(Start from March 2012 and End Date Nov 2014)**

**Language / Tools used** C#, ASP.net, Visual Studio 2010 Framework 3.5, JavaScript, Silverlight 4.0 and Postgres SQL.

**Client:**  
**Department of Mineral Resources, South Africa.**

**Role Play: Team Leader and Senior Developer (GIS Module)**

**Project Overview:**

This GIS interface is developed for Mineral Regulation Branch of National Department of Mineral Resources for their online mining rights application portal. This enables the Applicant to view, identify and capture their desired location while making

online application.

This application also enforces various proximity rules required to be followed by the applicant in choosing their area and allows the Adjudicator to verify the location spatially.

**Responsibilities Held:**

- Involved in the requirement gathering and analysis process by interacting with the client.
- Involved in design and development of the application.
- Coding, Report Design testing of the application programs.
- Implementation & Supporting at customer place.

**Project # 4**

**Traffic Volume Counts for City of Cape Town (Start from Feb 2013 and still in development phase)**

**Language / Tools used** C#, ASP.net, ARCGIS SERVER 10.1, JavaScript API, Android API and SQL Server.

**Project Overview:**

This project involves capturing and cleaning of existing transport data, development of an application for traffic data capturing and integrating the existing data with the application.

**Role Play: Team Leader and Senior Developer (GIS Module)**

**Responsibilities Held:**

- Involved in System Study, Process Analysis.
- Analyzed the problems and solved them according to the requirement of the users and the management.
- Coding, Report Design testing of the application programs.
- Print module for generating GEO PDF, image of Map in different format, design of different type of north arrow and scale bar.

**Project # 5**

**Department of Rural Development and Land Reform (Start from Feb 2011 and End Date Nov 2014)**

**Language / Tools used** C#, ASP.net, ARCGIS SERVER 10.1, JavaScript API and SQL Server.

**Project Overview:**

The project involves the formulation of a Rural Development Plan for five district municipalities (Harry Gwala, iLembe, Ugu, uMgungundlovu, and uThukela) in the southern extent of the province of KwaZulu Natal. The main objectives that underpin the project include the identification of catalytic hotspots for spatial

development and transformation as well as leveraging off internal and external links of these districts.

## **Role Play: Team Leader and Senior Developer (GIS Module)**

### **Responsibilities Held:**

- Involved in System Study, Process Analysis.
- Analyzed the problems and solved them according to the requirement of the users and the management.
- Coding, Report Design testing of the application programs.
- Print module for generating GEO PDF, image of Map in different format, design of different type of north arrow and scale bar.

## **Project # 6**

### **DEAT (Web Application) Start from Feb 2010)**

**Language / Tools used** C#, ASP.net, Visual Studio 2008, ADO.net, Web Services, Framework 3.5 and SQL Server 2005, Google Map Integration.

#### **Project Overview:**

##### **NCEIS**

The National Compliance and Monitoring System is a system that will allow to handle all incidents and complaints that they receive as well as perform all permit inspections in respect of facilities that emit pollution.

- Work as Team Member (Developer)
- Responsible for creating business layer
- ADO.Net for database connectivity using Microsoft Enterprise Library 2007
- Application Programming
- Works closely with project delivery teams to develop functionality

##### **CROSS SEARCH**

A cross-system searching module provides holistic search facility across different systems.

##### Work as Team Member (Developer)

- Responsible for creating business layer
- ADO.Net for database connectivity using Microsoft Enterprise Library 2007
- Application Programming
- Works closely with project delivery teams to develop functionality.

##### **LOCATION SEARCH**

The mapping will provide location searching facilities.

##### Work as Team Member (Developer)

- Responsible for creating business layer
- ADO.Net for database connectivity using Microsoft Enterprise Library 2007
- Application Programming
- Works closely with project delivery teams to develop functionality.

##### **CENTRAL REGISTRY**

Central system to store common entity information shared by the various systems. An entity could be a company, an individual, a farm, a municipality, etc.

##### Work as Team Member (Developer)

- Responsible for creating business layer
- ADO.Net for database connectivity using Microsoft Enterprise Library 2007
- Application Programming
- Works closely with project delivery teams to develop functionality.

##### **WIS**

Waste Information System store Information on quantities and qualitative of waste generated, treated, recovered,

recycled and disposed off.

**Work as Team Member (Developer)**

- Responsible for creating business layer
- ADO.Net for database connectivity using Microsoft Enterprise Library 2007
- Application Programming
- Works closely with project delivery teams to develop functionality.

**NEAS**

The Compliance Monitoring and Inspection module will allow DEAT to search for air pollution, waste pollution and EIA permits that require inspection.

**Work as Team Member (Developer)**

- Responsible for creating business layer
- ADO.Net for database connectivity using Microsoft Enterprise Library 2007
- Application Programming
- Works closely with project delivery teams to develop functionality.

**APPA**

The Air Pollution Prevention Act (APPA) database of existing air quality permits and related facility information.

**Work as Team Member (Developer)**

- Responsible for creating business layer
- ADO.Net for database connectivity using Microsoft Enterprise Library 2007
- Application Programming

**Project # 7  
from Feb 2009)**

**Procurement Management System (Web Application) Start**

**Language / Tools used** C#, ASP.net, Visual Studio 2008, ADO.net, Framework 2.0 and SQL Server 2005

**Project Overview:**

Procurement Management System is a system that provides a place for those small businesses to purchase their inventories at a reasonable price. The idea of this system is to combine those orders that are purchasing the same product in order to gain the benefit of economic of scale when negotiating the selling price with suppliers. Procurement Management System plays the role of a middleman that manages the process of purchasing transaction. So, this system will deal with two types of clients, one is consumer, and the other one is supplier. Each of them will enjoy different kinds of services and functions.

**Role Play: Senior Developer (Software Developer)**

**Responsibilities Held:**

- Work as Team Member (Developer)
- Validating client side script using JavaScript
- Responsible for creating business layer
- ADO.Net for database connectivity using Microsoft Enterprise Library 2006
- Application Programming
- Works closely with project delivery teams to develop functionality.

**Project # 8**

**Stake Holder Management System (Web Application)**

**Language / Tools used** C#, ASP.net, ADO.net, Visual Studio 2008, Framework 2.0 and SQL Server 2005

**Project Overview:**

The objective of the project is to "know your customer" and results in a comprehensive system for identifying, profiling, targeting and tracking all stakeholders related to your business or organization using its expertise in public relations, government relations and database development. It is more than just gathering information on prospects and customers - it is the foundation to any sound public relations or government relations strategy.

**Responsibilities Held:**

- Work as Team Member (Developer)
- Involved in database design as per system requirement specification
- Designing of forms in ASP.Net
- Used ADO.Net for database connectivity using Microsoft Enterprise Library 2006
- Application Programming.

**Project # 9**

**Payroll(Window Application)**

**Language / Tools used** C#, ADO.net, Visual Studio 2005, Framework 2.0 and SQL Server 2005

**Project Overview:**

It's User-friendly Software to maintain the detail of employee's salary and details. This Application also maintains the customer details and requirements. There are three modules in this software. First module is for the collecting of details of customers, Companies and Employees. Second module is for the transaction of money and third one is for the alerts. In this module employees and management send the alerts to each other after completion of work.

**Role Play: Senior Developer (Software Developer)**

**Responsibilities Held:**

- Work as Team Member (Developer)
- Involved in database design as per system requirement specification
- Designing of forms for Window Application
- Used ADO.Net for database connectivity.
- Application Programming.

**Project # 10**

**Satish Engineering (Web Application)**

**Language / Tools used** C#, ASP.net, Visual Studio 2005, ADO.net, Framework 2.0 and SQL Server 2005

**Project Overview:**

Satish Engineering is a site of metal working machinery. They are dealing with different type of machinery. User can search the details of machine according to his needs. User can give order online for machinery which he wants. Here we can search the machinery by the category. We can send the information about machinery to our Client.

**Role Play: Senior Developer (Software Developer)**

**Responsibilities Held:**

- Work as Team Member (Developer)
- Responsible for designing of forms in ASP.Net
- Responsible for coding the master modules
- Application Programming.

**Personal Information:**

Father's name	:	Ashwini Kumar Sinha
Date of Birth	:	<b>1st</b> November 1980
Sex	:	Male
Languages Known	:	English and Hindi
Nationality	:	Indian
Hobbies	:	Reading and Collecting Books, Sports

**Declaration:**

I declare that all the information given in this is true and correct to the best of my Knowledge.

Signature

(Amit Sinha)