

## Resume

<b>Experience Summary</b>	Saptarshi has over <b>2 years 8 months</b> of experience in <b>E-Business and Web Development</b> . His experience includes <b>Website Designing, Database driven Internet applications development</b> , and <b>custom software development</b> . He acted as the <b>webmaster/Technical Architect/Technical Leader</b> for different web sites & Ecommerce Applications. He has worked with <b>Enterprise integration</b> using <b>Biztalk server 2000</b> . He is also responsible for the <b>development, Design of an E-Commerce website &amp; integration Projects</b> for American companies. He is proficient in languages like <b>ASP, Java, C, HTML, JavaScript, Visual Basic, VBScript, XML programming, Servlets, JSP, WMLScript</b> as well as middleware technology like <b>COM+, BEA Weblogic Application Server</b> .
<b>Personal Details</b>	<b>Marital Status:</b> Married <b>Date of Birth:</b> August 31, 1976

## **Project Summary**

Project Name	Client	Duration	Role	Environment
<a href="#">ETECS</a>	One Supply Systems Inc., USA	Jan 02 onwards	Technical Leader	Windows 2000, MS Visual Studio 6.0, MS SQL Server 2000, COM+, ASP, MSCommerce Server 2000, Biztalk server 2000, MSMQ
<a href="#">OCD/ GHX Integration</a>	One Supply Systems Inc., USA	Dec 01 – Jan 02	Project Leader	Windows 2000, Biztalk server 2000, MSMQ
<a href="#">Jet Air – Ticket Sales And Accounting System</a>	Jet Air	Sep 01 – Nov 01	Application Framework Designer	Windows 2000, MS Visual Studio 6.0, MS SQL Server 2000, COM+, ASP, DreamWeaver3.0
<a href="#">RCMS II</a>	HSBC	March 01 – June 01	Software Developer & Web Master	VC++, COM/DCOM, ASP 3.0, Java Script, VB Script, HTML, MS-SQL Server
				WML, WMLScript, ASP 3.0, MS ACCESS 97, MS

<a href="#">E-Business COE</a>	PwC TIS, USA	June 01 – August 01	Technical Architect	SQL Server 2000, Nokia WAP Gateway v 1.1, Nokia Wap Toolkit v 2.1, WapLite, JRUN 3.0, Content Management Server, LifeCycle Personalization Server, Relationship Management Server, ASP 3.0, MS SQL Server 7 and Tcl/Tk Scripting language.
<a href="#">Content Factory Web Dev</a>	Pantellos	March 01 – April 01	Software Developer	ASP 3.0, Java Script, VB Script, HTML, MS-SQL Server, VB, COM
<a href="#">ITC Web Portal</a>	ITC	March 01 - April 01	Software Developer	HTML using Dreamweaver3.0, Java Script, Adobe PhotoShop 5.5, Flash 4.0, ASP
<a href="#">Content Factory Initiative</a>	Pantellos	Feb 01 – March 01	Software Developer	ASP 3.0, Java Script, VB Script, HTML, MS-SQL Server, VB, COM
<a href="#">Nicco Uco Financial System</a>	Nicco Uco Financial Company	Oct 00 – Jan 01	Software Developer	Oracle 8i running on Windows NT 4.0, BEA Weblogic 5.1 server running on Windows NT 4.0, Java based front end using Swing running on Windows

## Summary of Qualification

- Bachelor of Mechanical Engineering (with Honors), 2000, Jadavpur University, Calcutta, India.

## Training Received

- Ascent Course:**  
**Duration:** 40 Days full time.

**Content:** Oracle8.x, Java, Pro\*C.

**Conducted By:** PriceWaterHouseCoopers Software Limited.

- **Training on Better Programming in Java**  
**Duration:** 1 Day.  
**Conducted By:** PriceWaterHouseCoopers Software Limited.
- **Training on Better Programming in MS Technologies**  
**Duration:** 1 Day.  
**Conducted By:** PriceWaterHouseCoopers Software Limited.
- **Training on Advanced Java Programming (Server Side)**  
**Duration:** 7 Days.  
**Conducted By:** PriceWaterHouseCoopers Software Limited.
- **Training on Quality Concepts and ISO 9000**  
**Conducted By:** PriceWaterHouseCoopers Software Limited.
- **Training on MCS Level 1**  
**Conducted By:** PriceWaterHouseCoopers Software Limited.
- **Training on COM+**  
**Conducted By:** PriceWaterHouseCoopers Software Limited.

## Languages / Platforms used

<b>Operating System</b>	Windows NT/2000, windows 95/98, DOS
<b>Database</b>	Oracle 8i, MS SQL Server 2000, Microsoft Access
<b>Languages</b>	ASP, Java 1.2.2, C, HTML, JavaScript, Visual Basic, VBScript, XML programming, Servlets, JSP, WML, WMLScript, Tcl/Tk
<b>Internet Technologies</b>	JDK 1.2.2,EJB 1.1,SWING, Applets, Javabeans
<b>Wireless Technology</b>	Nokia WAP Gateway v 1.1,Nokia Wap Toolkit v 2.1,WapLite, GPRS Architecture, DotWap WAPCODE
<b>E-Business Platform</b>	Vignette E-Business Platform consists of V/5 Content Management Server, V/5 LifeCycle Personalization Server and V/5 Relationship Management Server
<b>Application/Web Server</b>	EJB1.1 using BEA WebLogic Application Server and Inprise Application Server, Java RMI Programming, Basic Concepts of CORBA Using Visibroker for Java, IIS 5 Server Administration, COM, COM+, Commerce Server 2000
<b>IDE</b>	Inprise JBuilder ver 3.0,MS-Office2000, TextPad 4.1.01, DreamWeaver 3.0,HomeSite 4.5.2, Platinum Erwin, Visio, MS Visual Studio 6.0
<b>EAI Tool</b>	Biztalk Server 2000
<b>Methodologies</b>	UML, OOAD

## Project Details

### ETECS

<b>Client</b>	One Supply Technologies LLC, New Jersey, USA
<b>Period</b>	Jan 2002 onwards
<b>Role</b>	Technical Leader
<b>Platforms used</b>	Windows 2000, MS Visual Studio 6.0, MS SQL Server 2000, COM+, ASP, MSCommerce Server 2000, Biztalk server 2000, MSMQ

**Project Description:** TYROLIT is Europe's largest manufacturer of bonded grinding, cutting-off, sawing and drilling tools. Worldwide the TYROLIT Group belongs to the leading system suppliers, which offers grinding tools with bonded abrasives in all conventional grit and bond types as well as a comprehensive range of dressing tools. EWIE Co., Inc. is an industrial distributor of abrasives, cutting tools, special tools, hand tools, diamond tools, mill supplies, welding supplies, die details, punches, buttons and other miscellaneous industrial products. EWIE provides complete order to delivery commodity life cycle management for their customers.

Tyrolit and EWIE intend to leverage the Internet and deploy an E-Commerce website in order to meet the needs of EWIE/Tyrolit Master Distribution Program. This solution will improve and automate ordering processes, reduce customer service costs, and support increased sales from the Tyrolit distributor base. The goal is to create an online platform for the EWIE-Tyrolit Master Distributor Agreement with integration to EWIE and Tyrolit back-office systems.

The e-commerce platform will provide an electronic product catalog, order management, and online customer service capabilities. Key features of the platform will include a website that will allow secure user access, an electronic product catalog categorized to allow for easy searching, web based order entry with order confirmation, request for quotes, advanced sales reporting and e-mail customer service. The e-commerce website will be integrated to Tyrolit and EWIE ERP systems.

It is an E-Commerce Website developed using CS2K and custom COM components.

It is a showcase to the Microsoft back in U.S.A. The Project involved Catalog integration, Order Processing integration from (Tyrolit and EWIE ERP systems.) using Biztalk 2000.

Saptarshi's major role is designing the application framework of custom VB COM Model and the User Interfaces as per the functionalities. He is involved in developing the VB Component at Middle Tier using COM + Technology. The components were deployed in COM+. He is also responsible for understanding the database and building up database objects. He used CS2K Objects, pipelines, services for building the site. He also used Biztalk 2000 for catalogue, Order Processing integration using Btalk mapper, Editor, message manager etc.

### OCD/ GHX Integration

<b>Client</b>	One Supply Technologies LLC, New Jersey, USA
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<b>Period</b>	December 2001 to January 2002
<b>Role</b>	Project Leader
<b>Platforms used</b>	Windows 2000,Biztalk server 2000, MSMQ

**Project Description:** The goal of the OCD/GHX Integration project is to create a document interchange platform with integration between GHX Supplier hub and OCD's backend system J D Edwards. This solution will improve and automate ordering processes for OCD buyers ordering through GHX.

Key features of the platform will include a website that will allow OCD to track all documents interchanged between OCD and GHX and will be integrated into the document interchange platform. The document interchange platform will be integrated to OCD and GHX systems (JDE and Supplier Hub) using flat files and GHXml based documents.

Saptarshi was responsible for designing the Document Specs and the Mapper using Biztalk Editor and Biztalk mapper. He was involved in integrating it with the JDE using Btalk MQ receive function.

### Jet Air – Ticket Sales And Accounting System

<b>Client</b>	Jet Air
<b>Period</b>	September 2001 to November 2001
<b>Role</b>	Application Framework Designer
<b>Platforms used</b>	Windows 2000, MS Visual Studio 6.0,MS SQL Server 2000,COM+, ASP, DreamWeaver3.0

**Project Description:** This is a custom software development project for the aviation industry. The Application is going to serve the Comprehensive Management of Ticket Sales And Accounting System for Jet Air which is to make their the process automated and smoother with a migration from FoxPro System to a 3-tier Enterprise Application based on COM Plus Technology.

The software uses a Visual Basic user interface with SQL Server 2000 as the backend database. The business objects will reside in VB COM at Middle Tier.

Saptarshi's major role was designing the application framework of VB COM Model and the User Interfaces as per the functionalities. He developed the VB Component at Middle Tier using COM+ Technology. The components were deployed in COM+. He was involved in understanding the databases and build up database objects. He designed and developed few user interfaces in ASP to make some part of the project as web enabled.

### RCMS II

<b>Client</b>	HSBC
<b>Period</b>	March 2001 to June 2001
<b>Role</b>	Software Developer & Web Master
<b>Platforms used</b>	VC++, COM/DCOM, ASP 3.0, Java Script, VB Script, HTML, MS-SQL Server

**Project Description:** Receivable and Collection Management System (RCMS) is an efficient and comprehensive cash management software application used by HSBC in a regional basis to cater its clients, which aims to improve the process of collection on behalf of corporate clients. In phase I, its main objective was to support and facilitate the up country collection and reconciliation process of customer cheques received through an alliance bank network as well as

HSBC branches. Manila is the first country to implement RCMS. RCMS Phase-II is going to be launched in Singapore and Malaysia. The major implementation of the software is to provide a comprehensive receivable and invoice management solution in order to bridge the product gap in these countries. Primary focus of the application is:

1. Support wholesale lockbox operations
2. Capable to accept customized account receivable (A/R) file from HSBC's customers for invoice matching
3. Capable to perform invoice matching with customer's A/R file
4. Provision of web-based customer interface for transaction enquiry, upload/ download of files between HSBC's customers and the bank
5. Generate Consolidated Report, which contains collections received from Retail lockbox, Wholesale lockbox, Giro, MEPS
6. Accept collections from other regional countries for consolidated reporting
7. Support configurable report formats
8. Support wholesale/ retail lockbox charging.

One requirement of RCMS Phase I, was the encryption of data files coming from HSBC's correspondent banks, and the subsequent decryption of these at HSBC's side. Currently this functionality is provided by the use of a package called PGP, which is unable to take care of all the security features desired by HSBC. According to HSBC, encryption-decryption process is to be done by using triple des algorithm. Thus it is expected that in Phase II a complete encryption-decryption solution will be provided to the client.

It is a web-based project having multi-tier architecture with MS SQL Server 2000 as the backend database server. User Interface is prepared in ASP. The business objects will reside in static C++ libraries. The presentation layer will communicate with the business layer through a COM wrapper developed using ATL.

Saptarshi was involved in design and development of Business Process flow diagrams using VISIO. His main responsibilities include development of COM components using ATL COM with the development of the User interfaces in ASP.

His other tasks were Analysis, design and construction of the entire Indiacentre website, which is the single point contact between the **HSBC** and **PwC**. The entire project will be managed via this website.

### E-Business COE

<b>Client</b>	PwC TIS, USA
<b>Period</b>	June 2001 TO august 2001
<b>Role</b>	Technical Architect
<b>Platforms used</b>	<p><b>Mobile Commerce:</b> WML, WMLScript, ASP 3.0, MS ACCESS 97, MS SQL Server 2000, Nokia WAP Gateway v 1.1, Nokia Wap Toolkit v 2.1, WapLite, JRUN 3.0.</p> <p><b>Vignette E-business Platform:</b> Content Management Server, LifeCycle Personalization Server, Relationship Management Server, ASP 3.0, MS SQL Server 7 and Tcl/Tk Scripting language.</p>

**Project Description:** The project involves major initiatives of PwC in the latest directions of E-Business technology. The initiatives were in the fields of Mobile Commerce, which involves the latest wireless/voice communication technologies like WAP and GPRS and Content Management Platforms like Vignette.

Saptarshi's main responsibility was designing and developing the WAP enabled Packages involving Database transactions, validations with simple transaction logic. His other task was to understand and implement the latest **WAP** and **GPRS** architecture and the different technical constraints of the new technology. Saptarshi also presented and conducted a **TECHNICAL SEMINAR** in PwC regarding the different aspects of **Mobile Internet** along with minute technical details. He was also a part of the Mobile Commerce Team that created a **mSap Application** with **SAP** at the Backend and Mobile phone at the front. The Application was exhibited at the **Gartner Event** in Delhi and earned huge applause. His other responsibilities was to study the Vignette E-business Platform (CMS and CDS) and to render the B2B portal hence developed WAP enabled to make the workflow streamlined and hence make transactions possible using Mobile Phones, Palm Tops and other PDAs.

### Content Factory Web Dev

<b>Client</b>	Pantellos
<b>Period</b>	March 2001 to April 2001
<b>Role</b>	Software Developer
<b>Platforms used</b>	ASP 3.0, Java Script, VB Script, HTML, MS-SQL Server, VB, COM

**Project Description:** This project involves complete modification of the existing website of the Content Factory work. Saptarshi was a part of the two-member team responsible for the analysis, design, construction, and implementation of the website for the internal PwC users and also for the clients. Through the website the internal PwC users can perform work allocation, enter file information, can add new organization, edit an old organization, can see the Billing Report for a client, can see the status of the members of the operations team, can perform CUP (Catalog Update) Creation etc. Administrator can also upload and download files.

Security for the site is maintained so that the administrator has the power to perform all the above-mentioned activities but not the common user who has the restricted authority to perform some tasks only.

For the client, several facilities are offered. Such as Downloading of files, uploading of files, seeing the file status report, seeing the billing report and Discussion forum. Security has been maintained so that a client cannot see the reports of another client.

Saptarshi's main responsibility was analysis, design, development and implementation of the entire web application package in ASP, COM using VB and MS SQL Server 7.0. Saptarshi also did some Facelifts over the existing web site.

### ITC Web Portal

<b>Client</b>	ITC
<b>Period</b>	March 2001 to April 2001
<b>Role</b>	Software Developer
<b>Platforms used</b>	HTML using Dreamweaver3.0, Java Script, Adobe PhotoShop 5.5, Flash 4.0, ASP

**Project Description:** The project involves the making of a business portal for ITC. This is one of the biggest web portal developed by PWC. It involves a lot of HTML page design, image creation using ADOBE PhotoShop, scripting using java script, flash movies etc.

Saptarshi's main responsibility was designing, renovating and developing the existing web application. He also developed some new web pages in ASP needed for facelift and enhanced client needs.

### Content Factory Initiative

<b>Client</b>	Pantellos
<b>Period</b>	February 2001 to March 2001
<b>Role</b>	Software Developer
<b>Platforms used</b>	ASP 3.0, Java Script, VB Script, HTML, MS-SQL Server, VB, COM

**Project Description:** PwC started a Content Factory initiative to help clients for managing their contents in B2B marketplaces. The first job has been for CommerceOne, one of the leading B2B marketplace providers. However, PwC also spread its focus to other solutions from market leaders as well, including iProcurement from Oracle. It will be offshore development/management, primarily located in Calcutta, India and Mumbai, India. Content management being the most complex, value-added and differentiating area in placing a company in a strategically advantageous position in a B2B marketplace scenario, this centralized effort is going to reduce cost and improve quality of marketplace content dramatically. **Pantellos** was the first Client for PwC.

Saptarshi's main responsibilities involved analysis, design and development of the ISSUE RESOLUTION Package using ASP, COM using VB and MS SQL SERVER. The Package was later used in two other projects of PwC. The added responsibility was implementing and testing the entire site and to design the entire web application.

### Nicco Uco Financial System

<b>Client</b>	Nicco Uco Financial Company
<b>Period</b>	October 2000 to January 2001
<b>Role</b>	Software Developer
<b>Platforms used</b>	<b>Database Tier:</b> Oracle 8i running on Windows NT 4.0. <b>Application Tier:</b> Initially development was based on Inprise Application Server (IAS 4.0) as the EJB based middleware. Later it has moved to BEA WebLogic 5.1 server running on Windows NT 4.0. <b>Front Tier:</b> Java based front end using Swing running on Windows.

**Project Description:** Nicco Uco Alliance Credit Limited (NUACL) is one of the leading Non Banking Financial Companies (NBFC) in India. They have their Head Office at Calcutta and other Regional branches all over India. NUACL intends to implement a fully "on-line" system for the following operations in their Head office and Chennai branch office. The Financial Services system is being designed to run at the profit centers of the company, currently Calcutta and Chennai. The system allows transfer of relevant data from the regional offices and consolidates the information at the Head Office at Calcutta. The system covers the operations of the following major modules:

- **Fixed Deposit (FD)**
- **Hire Purchase / Leasing (HPL)**
- **Money Market Operations (MM)**



- **Investment Banking (IB)**
- **International Banking (INTB)**

All the above modules are integrated with the Financial Accounting (FA) module.

The Financial system for NUACL is developed using a 3-tier architecture, with an Oracle 8i RDBMS at the backend, EJB based middleware and a Java based front end using Swing. Rational Rose 2000 (Enterprise Edition) was the OOAD tool used during the design phase (which includes Use Cases, Sequence diagrams and Class diagrams). UI development is being done with JBuilder3.0 as the IDE.

Saptarshi was a part of a 10-member project team responsible for analysis, design, construction and development of the package.

Saptarshi took part in the analysis, design and development of this Integrated Financial System, which was implemented across multiple locations in the country. He has been involved in the development of the GUI for the entire HPL module, subsequent Integration with the Business objects. He also participated in analysis, design and development of the business objects in EJB.