

Saikat Goswami

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SUMMARY

- 10 years of experience in Java/Java EE .
- Knowledge of Hibernate, Spring (MVC, ORM, JDBC), Spring Boot (REST), Microservices, Docker, Git, SQL, Linux, JavaScript
- Working knowledge of using Chat-GPT, Copilot, Google Gemini

CERTIFICATION

- Passed online quiz on 'Java', 'Spring Boot' at <http://www.turing.com>
- Sun Certified Programmer for the Java 2 platform. (2000)

TECHNICAL SKILLS

Frameworks

Hibernate 5.3, Tomcat 9, Spring (MVC, Data, ORM, JPA, JDBC) Spring Boot (REST Web Services), POSTMAN, Lombok, Maven, Git, Microservices, Docker

Client-side

HTML5, CSS 3, JavaScript

Server-side

JDBC, EJB, JNDI, XML, XSL, Web Services, Ant

Programming Languages

JEE (Java 8/21 , JSP, Servlet, JDBC, EJB), UML

Databases

Oracle 8 , MySQL 8, SQL Server 2000

Software Packages (IDE)

Spring Tool Suite 4, VS Code, Net Beans, Eclipse

Operating Systems

Windows 10, Linux (Shell Scripting)

EDUCATION

•Clemson University, SC, USA
M S, Industrial Engineering (1999)

•Jadavpur University, Calcutta, India
B E, Production Engineering (1997)

WORK EXPERIENCE

Company: Cognizant Technology Solutions, Kolkata, India

Designation: Sr. Associate,(Team Lead)

Timeline: 10/2010 – 05/2012

Client: Cognizant (Innovation and Best Practices group)

Role: Team Leader

The Innovations and Best Practices group was responsible for creating innovative products and market them. One of the products was "Sentiment Analyzer". The product would take input from websites about particular products, and rate them accordingly. Procedure was to read input from HTML text box and analyze the content by referring them against a text file. The text file was a kind of dictionary. Words like "good", "not bad" would be treated as positive sentiment, and vice versa. Good and bad review would be given different colors and the colors would be displayed on web page.

Client: Walgreens, USA

Role: Team Leader

Existing system is written in Flex. Business requirement is to port the application to iPad. iPad does not understand Flex. So, code written in Flex has to be re-written in JQuery. The system will be used by Walgreens merchants to see trends in sales of all items sold from the store.

Responsibilities

- Understand the code of Flex and JQuery and allocate work to team members.
- Plan conversion from Flex to JQuery
- Prepare project plan, do estimation
- Send daily status to onsite (Project was running on a T & M basis)
- Attend daily calls to onsite for work allocation

Company: Zensar Technologies, Pune, India

Designation: Team Lead

Timeline: 11/2008 – 10/2009

Responsibilities

- Translate requirements into technical specifications.
- Wrote JSP's and Servlets for front-end
- Wrote Helper classes to connect to mySQL database.

Client: Cisco Systems, Inc.

Project: WS-X (Web Services External)

Create a prototype of creating a new module in Axis2.

Responsibilities:

- Study ebMS (electronic business Messaging System) specifications and investigate how SOAP MEP's (Message Exchange Patterns) relate to ebMS MEP's.
- Investigate modular architecture of Axis2.
- Investigate AXIOM (Axis Object Model) and stAX (Streaming API for XML).
- Investigate Axis2 API for asynchronous and synchronous web services.
- Enter Cisco business data in SOA registry by researching documentation.

Cross Country Infotech, Pune, India

Team Leader, 07/08 – 11/08

Project: Dashboard. A system for nurses in America to find jobs through a job portal. Details of each nurse is shown in a separate pane. The front-end is written in JavaScript using ExtJS framework. The application server is Weblogic 9.2.

Responsibilities:

- Compare Use case document (Form Specification Document) with Project Scope and prepare Comparison Document
- Build ear file using Weblogic Ant script generator from command line. Each sub-module has a build.xml file.
- Write JavaScript code and also code using ExtJS framework API and also back-end code to fetch data from IRIS database.
- Configured data source and connection pool using Weblogic Admin console.
- Wrote sequence diagrams.
- Attended regular status update meetings.
- Participated in on-site calls regarding project plan, updates etc.

NIIT Technologies Ltd, Kolkata, India

Team Leader, 02/2007 – 05/2008

Client: CPA

Project: Data Assessor will be a system that will read flat files and files from other systems and convert them to XML documents and then validate them against business rules. CPA is an intellectual property rights firm. The business rules will be validated in Drools Rules Engine. The database was MS-SQL Server.

Responsibilities:

- Write use cases.
- Write features of the future system, as a part of Functional Specifications.
- Monitor screen development as a part of prototyping.

Client: NIIT Technologies

Project: TMS (Training Management System) is a system for uploading competency details of employees. Also, users can nominate themselves and supervisors can nominate employees for training for areas that need improvement.

Responsibilities:

- Write parts of Software Architecture document.
- Write use cases from SRS (Software Requirements Specification)
- Review sequence diagrams and class diagrams.
- Assisted team members in technical issues.

Client: Jade

Responsibilities:

- Conduct code review based on pre-set standards.

Client: Generali Insurance

Responsibilities:

- Project planning, estimation, coordinating. Assisting team members with technical issues.

Wipro Technologies, Kolkata, India

Senior Systems Engineer, 08/2005 - 04/2006

Project: Cisco Migration

Migration of applications from Borland Enterprise Server to WebSphere Application Server 5.0.

Responsibilities (Team Lead):

- Gather requirements by talking to user.
- Modified entries in web.xml, application.xml.
- Modified entries in ibm-web.xmi, ibm-web-ext.xmi.
- Used Exceed to connect to UNIX servers where the WAS 5.0 application would be deployed.

Project: BTS (General Motors)

BTS (Brake Test Service) is a module where brake-testing data of General Motors vehicles are input and simulated against expected data.

Responsibilities:

- Designed and wrote front-end JSP's.
- Used Struts 1.1 classes for presentation logic.
- Used Tiles with Struts 1.1 for presentation architecture.
- Used Tomcat as the web server.
- Wrote Action classes.

Project: VIMS (General Motors) Location: Hyderabad

VIMS (Vehicle Incentive Management System) is a system/portal where vehicle incentive information is stored. Was responsible for Dealer module. This module was responsible for editing dealer information of General Motors. For instance, adding/removing dealers, editing dealer information based on geography are some of the things that could be done by the system.

Responsibilities:

- Designed front-end classes based on Struts 1.1
- Extended Dispatch Action classes and used them for presentation logic.
- Made documentation on interfaces and classes that would be on Java programs later on.
- Used Rational Rose 2000 to document the classes, sequence diagrams for n-tier architecture.

Connectiva Systems, Kolkata, India

Senior Java Developer, 03/2005 - 07/2005

The domain is mobile phones. A RA (Revenue Assurance) product was being developed to track revenues lost by missed calls, revenue earned by roaming, etc.

Responsibilities:

- Unit test the product against Test Cases.
- Was responsible for implementation of Drools Rules Engine.
- Designed Test Cases against requirements document.

Thinksol Overseas Pvt. Ltd., Kolkata, India*Java Developer, 11/2004 - 02/2005*

The domain is shipping. An end-to-end system was being developed. The existing system was in mainframe. A J2EE system was being designed and developed.

Responsibilities:

- Debugged JavaScript errors to fix errors against test cases.
- Wrote JSP's for presentation logic.
- Designed and wrote Session EJB's.

MetLife, Warwick, RI*Systems Analyst, 01/2004 - 10/2004*

Developed a sub-system of a larger system. Read existing COBOL programs and documented the business flow in Visio. The domain of business was PFM (Policy Financial Management). Credit report is ordered for individual and group customers for Auto Insurance and Home Insurance. After delivering flow documents in Visio, we wrote Use Cases. Based on the approved use cases, designed and wrote business objects in Java (Stateful Session Beans, Container Managed Entity Beans), designed and developed JSPs using in-built Struts in Websphere 5.

Responsibilities:

- Designed front-end architecture using specifications JSP's which workers who would input the policy parameters would use.
- Designed Java classes, sometimes creating new and sometimes extending existing classes from framework.
- Used Struts 1.1 classes like Action classes, made use of Struts custom tag libraries like html, bean and logic.
- Designed and developed Stateful Session Beans and Entity Beans (EJB 2.0)..
- Fix errors on batch processing system for Home Insurance and Auto Insurance, going through COBOL programs and documenting the errors in plain English.

Deloitte Consulting, Boston, MA*Systems Analyst, 07/2003 - 12/2003*

A system for Department of Social Services, Commonwealth of Massachusetts, to enable display of information for workers who handle child removals from their families. The front-end was done using Struts 1.1, persistence layer using iBatis. The database was Oracle 8i. Development environment was Eclipse, and source control software was CVS.

Responsibilities:

- Designed and wrote front-end JSPs, Action classes and Business Domain classes.
- Used Struts custom tag libraries HTML, Bean and Logic extensively in JSPs.
- Wrote mapped statements in iBatis. Wrote triggers, sequences in database.
- Team player in designing the data model.
- Wrote XSL for displaying supporting XML documents.
- Designed and wrote CMP and BMP Entity Beans (EJB 2.0).
- Assisted in gathering requirements, talking to users. Helped in documenting use cases.
- Wrote developer cookbook outlining standards, outlining best practices.
- Assisted senior-architect in designing front-end architecture: like deciding which kind of Action classes to inherit from.
- Involved in release plans, integration effort.
- Converted HTML to JSPs.

Veridiem Inc., Boston, MA

Product Developer, 11/2002 - 06/2003

A marketing product designed for middle-level executives to see what-if scenarios of spending on advertising on various sectors. The web-based system was using n-tier architecture, with the front-end in Struts 1.1 and back-end in JBoss application server. Front-end architecture is MVC. The database used was SQL Server 2000. Version control was VSS, and the development environment was JBuilder, XML Spy. The development environment is Red Hat Linux 9, Tomcat 4, and PostgreSQL.

Responsibilities:

- Designed, wrote and implemented an entire tree structure of folders on the web site. The folders were designed to be hierarchical.
- Designed the database for storing the folder information. The tree generated was an XML tree displayed on the browser as HTML.
- Generation of XML document was done via Castor-generated Java objects based on an XML schema. The XML tree was converted into HTML via XSL.
- The database stored information on the order of folders and the hierarchy.
- Designed the front-end using JSPs and Struts Action classes.
- Wrote the entire JavaScript event-handling mechanism and validations and integrated JavaScript with Struts using struts-config.xml.
- Wrote a recursive function to generate the tree.
- Designed the exception handling for the entire application using Struts 1.1 framework.
- Implemented credit card authorization using proprietary API in the system.
- Wrote use case implementation classes.
- Designed and wrote Stateless, Stateful Beans and BMP Entity Beans (EJB 2.0).
- Wrote user sign on and sign off functionality, covering everything from front-end to database.
- Implemented Java Mail to send confirmation e-mail to new users, using SMTP protocol.

Department of Human Services, (State of Maine), Augusta, ME

Systems Developer, 04/2002 -10/2002

The system is called ACES (Automated Client Eligibility System), which takes care of eligibility for low-income group people in the State of Maine who are looking to get medical and cash benefits and food stamps from the State. The system is used by employees of Department of Human Services who conduct interviews to applicants of benefits, enter relevant data and run eligibility. The application server is BEA WebLogic 6.1 and the source control software is Visual Source Safe. The Web Server is Tomcat. Only Session Beans are used (both Stateful and Stateless). The front end is done in XSQL and the development environment is Jdeveloper.

Responsibilities:

- Talk to users about what they are expecting and fix defects according to the business rules.
- Wrote Korn Shell scripts to run batch processes.
- Design changes and enhancements and write the programs using JDK 1.3.1 on the Rules Engine.
- Modify and study the config.xml file for changing database servers.
- Modified the Stateful Session Beans for connection pooling.
- Updated SQL queries as necessary (the database is Oracle 8i).

Transco, Houston, TX

Systems Analyst, 11/1999 - 03/2002

The n-tier project was aimed at web enabling end-to-end gas transportation business from contracts to invoicing. The technology framework is J2EE, with IBM Web Sphere

3.5/4.0 as the application server. This was a shared development environment, using PVCS as the version-control software.

Responsibilities:

- Designed, as a team, 5 components with WSDL, and have them communicate via SOAP using UDDI registry. Created Servlets as the clients for a SOAP service and had EJBs as the Call objects using WebSphere 4.0. This was a working prototype. This was done using WebSphere Studio Application Developer. Testing was done using both Xerces and JAXP.
- Analyzed the scope and design business objects using UML methodology, OOAD and Design Patterns in Rational Rose. Some of the Design Patterns used were MVC, Singleton, Command and Proxy.
- Created sequence diagrams to encapsulate business processes like timely batch runs, business logic.
- Designed and wrote JSP Custom Tags and deployed in the web.xml file.
- Studied the various topologies of Web Sphere, including scalability, transactions.
- Deployed EJBs in a jar file, and Servlets/JSPs in a war file.
- Understood and modified the XML files that were used as descriptors for EJBs and Servlets.
- Wrote Stateful Session Beans and Stateless Session Beans extending them from architecture-level classes and deployed them in Web Sphere 3.5.3 using the necessary descriptor files.
- Used Oracle Thin JDBC Driver (Type 4) to connect to Oracle 8i in the database access layer.
- Led a team of four to coach and oversee migration of HTML pages to JSPs using custom tags and Java Beans.