**Suman Samantaray**

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**Professional Summary:**

* Over 10years of work experience in Object Oriented Design, Modeling, Programming and Testing in Java, J2EE, XML and Relational Databases.
* **AWS certified Solution Architect - Associate**
* Expertise in SOAP web services and Restful API
* Experience on developing Java based applications as **Microservices**.
* Experience on developing applications with **Spring Boot** and **Spring Batch** frameworks.
* Proficiency in developing web applications and serverside development using **ORM - Hibernate, EJBs, JSF, JDBC, JNDI, JSF, Spring, AJAX, JSP, JSTL, Servlets, Java Beans, JavaScript, XML, XSLT, CSS, HTML, Oracle, MySql, and various Design Patterns.**
* Expertise in developing the distributed applications using EJB 2.0 specification and J2EE Application Servers such as **IBM Web Sphere, BEA Web logic, Apache Tomcat.**
* Hands on experience with **Oracle**, **PL/SQL** involving stored procedures, triggers, functions, indexes.
* Knowledge of containerization using **Docker**.
* Working knowledge on XML Technologies JAXP (DOM and SAX parsers), XSLT, XPath.
* Expertise in developing web applications based on AngularJS and **JSF** frameworks.
* Experience in using the Object Relational Mapping tools **Hibernate, OpenJPA, iBatis**
* Good experience in **Spring’s** IOC, AOPand Spring’s integration with **Hibernate** and **Apache Camel** technologies.
* Experience in **JSF 1.2** with RichFaces, ajax4jsf, and Facelets.
* Strong knowledge of Design including **J2EE Design Patterns** Singleton, MVC, DAO, Builder, Business Delegate, Session Facade, Service Locator etc.
* Worked on unit testing frameworks like **Junit** and **Mockito**.
* Over 5 years of experience in project execution using Agile methodology, CICD and TDD process.
* Experience in all phases of software development life cycle.
* Worked extensively on various flavors of **UNIX** operating system like **Linux**, **Solaris**.
* Hands on experience in project repository tools like git, Clear case and SVN.
* Strong analytical skills with ability to quickly understand client’s business needs.
* Involved in meetings to gather information and requirements from the clients.
* Research-oriented, motivated, proactive, self-starter with strong technical, analytical and interpersonal skills.

## Technical Skills:

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| **Programming Languages** | JAVA, J2EE, XML, SQL, PL/SQL |
| **Web/XML Technologies** | JSF, AngularJS, JQuery, HTML, CSS, JavaScript, AJAX, Servlets, JSP, SAX, DOM, XML, XSLT, XPATH, DTD, XSD, JAXP, JAXB2.0. |
| **Frameworks** | Various Spring frameworks including Spring Boot and Spring Batch, EJB 2.0 MDB, Hibernate 3.0, JSF 1.2, Junit, Mockito |
| **Apache Projects** | Maven, Camel, Velocity and Apache POI., iBatis, OpenJPA |
| **Tools & Utilities** | Eclipse, RAD, RSA, Jenkins, uDeploy |
| **Application/Web Servers** | BEA Web logic, IBM Web Sphere, Tomcat. |
| **RDBMS** | Oracle 11g |
| **Source Control** | Git, Rational Clear Case, SVN |
| **Design Patterns** | Singleton, Session Facade, Factory, Service Locator, Value List Handler, Transfer Object, Front Controller, DAO, Iterator, Command, Observer. |
| **Operating Systems** | Linux, Unix, Windows |

## Professional Work Experience:

**CapitalOne Bank**, Richmond, VA **Feb ’14 till Date**

Senior Java/J2EE Developer

**Project: Payment Infrastructure Engine**

Payment Infrastructure Engine (PIE) is a wire processing application catering to international and domestic wire transactions. Various wire initiating channels within CapitalOne Bank are integrated with PIE to process the wires and sent to the beneficiary party through SWIFT or Fed system.

**Responsibilities:**

* Understanding the Dovetail payment gateway product.
* Designing the integration points with upstream and downstream applications.
* Designing and implementing the standalone modules with **Spring Core, Spring Boot, Spring Batch** and various open source application from **Apache Software Foundation e.g apache camel, POI, Velocity**.
* Writing test scenario and test cases.
* Technical implementation of the requirements which is, to develop the functionality using **java, Spring, SOAP, Restful APIs** and other open source tool applicable to achieve the functionality.
* Manage the code in the common code repository like **SVN** and **Git**.
* Follow the **CICD** process to build and deploy applications using **Jenkins** and **uDeploy**.
* Co-ordinate with the downstream or dependent applications to validate the process flow.
* To come up with migration strategy to cloud environment by developing proof of concepts using AWS APIs.
* Designing and developing **microservices** with **Docker** implementation.
* Understanding the process flow of the wire transaction which includes domestic, international, inbound and outbound transactions.
* The entire project implementation was done following the **TDD and agile methodology**.
* Analyzing the process flow for each wire types.
* Analyzing the gaps between the out of the box functionality of the Dovetail product and the Capital One requirement to process wires.
* Preparation of detailed design for the requirements for the gaps identified.
* Co-ordinate with upstream and down-steam application teams to understand the integration points.
* UAT and post implementation support.
* Defect fixing.

**Technologies/Environment:** Java 1.8, Spring 4.0, Spring Boot, Spring Batch, Spring JDBC, Weblogic 12c, SOAP services and Restful API, Apache Maven, Camel, Velocity, POI. XSLT, XPath, SVN, Git, Jenkins, uDeploy Agile methodology, JIRA, AngularJS, Junit, Mockito, AWS APIs involving S3, SNS, SQS, Lambda, EC2. Containerization with Docker

**Lloyds Bank**, London, UK **Jun 2013 – Jan 2014**

Senior Java/J2EE Developer

The Foreign Account Tax Compliance Act (FATCA) is a portion of the 2010 Hiring Incentives to Restore Employment (HIRE) Act. The FATCA requires individuals to report their financial accounts held outside of the United States, and requires foreign financial institutions to report to the Internal Revenue Service (IRS) about their American clients. FATCA was designed primarily to combat offshore tax evasion and to recoup federal tax revenues.

UK is one of the countries which agreed to comply with FATCA regulations. So as per the government policy, Lloyds Banking Group has taken this initiative to undertake this regulation. The main purpose of this project is to segregate the customer into 3 groups. 1. Non-US customer 2. US customer 3. US potential customer.

**Responsibilities:**

* Involved in requirement analysis with onsite (UK) team.
* Designing of webservices and coming up with the **WSDL** for **SOAP services**.
* Producing the webservices with WSDL.
* Designing and developing the integration of webservices with **Hibernate** persistence layer, **JMS with message driven bean**.
* Producing the webservices with dual protocol (HTTP, JMS)
* Configuring the JMS queues and deploying application on Websphere application server.
* Developing test suites in **SOAPUI** tool.
* Writing and testing the webservices with Junit test cases.
* Supporting the System testing and bug fixing.

**Technologies/Environment:** Java 1.7, JAX-WS specification, WSDL, XSD, Websphere application server, Apache Maven, Axis2 implementation of JAX-WS, Hibernate 3.0, SOAPUI, Agile methodology, Clear case, Junit.

**The Hartford Insurance**, Connecticut, US **Aug 2012 – Apr 2013**

Senior Java/J2EE Developer

**Project: Technology Stabilization**

The Hartford started an initiative to stabilize/streamline the existing developed applications. As part of it, 7 different modules were updated or migrated to new technologies like converting EJBs into plain JDBC, Serializing the objects, migrating the quote creation application hosted with portlets to JSF framework.

**Responsibilities:**

* Understanding and analyzing the existing quote creating application developed in portlets.
* Designing the wireframes and process flow for each of the pages
* Designing the **JSF** process flow
* Developing the integration of the JSF with the services to retrieve data from the backend
* Developing the middle layer component using **Hibername** to retrieve data from the backend.
* Developing the JSF pages with **Richfaces**, **Ajax4jsf** and **Facelets**.
* Leading the code review process for other members of the team.
* Deploying the application on **Weblogic** application server.
* Unit testing and involved in UAT.
* Worked closely with the testing team in the system testing phase.

**Environment:** Java 1.6, JSF 1.2, Facelets, Richfaces, Ajax4jsf, Java Script, HTML, CSS, Web logic 10.x, Hibernate,

**AT&T,** Seattle, US **Jul 2011 – May 2012**

Senior Software Engineer

**Project: DES-API Design**

This project is a web-based application used by the marketing professional of AT&T to showcase different APIs exposed as cloud service to the prospective consumers. Different stakeholders who supervise the many phases of API life cycle also access this application. Stakeholders can create, update, modify or delete an API. Search functionality is also provided to the users who can search API details based on some searching criteria.

**Responsibilities**

* Designed and Implemented Hibernate data persistent framework to persist any kind of Java object, manipulate a hierarchy of objects, handle collections and caching.
* Involved in Implementation of Middleware framework using **Hibernate with Spring**.
* Developed POJOS for Data Model and created respective hbm files to map the Java Objects with Relational database tables.
* Designing the **JSPs with JSTLs** for the frontend application and integrating it with the backend services
* Maintained the application configuration information in various properties file.
* Performed unit testing, system testing and integration testing.

**Environment:** Java, Hibernate, Spring Framework, Servlets, JSP, HTML, Java Script, CSS, Oracle 10g. Windows, AIX Unix, Junit.

**Energy Australia,** Melbourne, Australia

**Project: DMC ETP Power Model Jun 2009 – Apr 2011**

Senior Software Engineer.

This project is a part of the esteemed Smarter Planet initiative of IBM, which focuses on infusing intelligence to systems and processes to make the world work better. The Distribution Monitoring and Control (DM &C), Electric Thinking Program (ETP) intends to upgrade some 14,000 existing 11kV/415kV power distribution/transmission substations with remote monitoring and control devices. In order to support the retrieval, analysis and storage of the data obtained remotely from these distribution substations, a comprehensive Information and Communications Technology (ICT) infrastructure is required to be developed. The objective and scope of the work undertaken by this project is the investigation, research and development of the supporting ICT infrastructure that interfaces with the remote monitoring control devices.

**Responsibilities:**

* Designing and developing the **WSDL for SOAP service**
* Developing the Axis2 implementation of SOAP Web services.
* Designing the Data Access Layer with Apache **OpenJPA** and **Oracle 10g**.
* Writing complex SQL queries, stored procedure to retrieve data.
* Test the services using Junit test cases.
* Developed **EJB MDB** to communicate with ESB layer for processing commissioning messages from DNMS application.
* Developed complex logics for fetching huge data and processing them.
* Optimizing the SQL queries for performance enhancement.
* Unit test using **SOAPUI** tool and Jnit.

**Environment:** Java, EJB 2.0, Axis2 JAX-WS implementation, JAXB, Websphere Application Server, Oracle 10g, PL/SQL, RSA, AIX Linux Server.

**Citi Cards, Jacksonville, FL**

**Project: Program Sawgrass Apr 2006 – Mar 2009**

Software Engineer

SAWGRASS Project is a major initiative to reengineer current Citi Cards operational processes supporting Customer Service, Collections, and Credit Operations. This will employ a technical framework that ties together best of breed solutions into a flexible architecture, workflow based, thin-client application with common look and feel to support the Customer’s diverse needs. The project involves in the reengineering of existing systems and development activities.

**Responsibilities:**

* Analyzing the current environment and gathering the requirements that can be built on **Chordiant** application.
* Creating High Level and low-level design of the business logic involved in Citicards.
* Scribing of the detailed System Design document and analyzing impacts on the existing services for new enhancements.
* Developing, Testing and delivering the services, accessors, mappers, client tasks and BPD for Use cases.
* Developing common components like ESBAccessor and Logging that is used across the LoBs.
* Code Review using **Hammurapi**.
* Coordinating the User AcceptanceTesting
* Support for existing versions of the application in both Production and Test
* Unit Testing using Junit, Defect Fixing
* Manage the knowledge process and Configuration.

**Environment:** Chordiant BPM tool, Java, JSF 1.x, Websphere Application Server, log4j, Ant, Oracle, RAD, Facelets, JSTL.

**Applied Materials, Santa Clara, CA, US** **Oct 2003 – Mar 2006**

Software Engineer

**Project: i2 DF-SPP Interface**

Applied Materials Inc (AMAT) is a Fortune 500 company that manufactures systems to process silicon wafers and make IC chips and is the market leader in this segment. Applied Materials uses i2 DF and SPP to assist in the Demand Forecasting/Netting, Repleni shment Planning functionality for their Spare Parts division. Applied Materials based on its future business requirements decided to upgrade the companyâ€™s current version of SAP 4.5B to 4.7. i2 DF and SPP solutions works interfacing with SAP. So before migrating to higher version the solutions need to be configured and tested thoroughly which became the scope of the project.

**Responsibilities:**

* Designing and developing entry exit criteria for the process flows.
* Designing, Developing and Testing the Business Process Models.
* Developing the discussion forum.
* Unit Testing, System Testing and Bug Fixing.
* Performed backup validation.
* Worked on FTP to SCP migration.
* Changed check copy jobs dependency.
* Tested fault tolerance

**Environment:** i2 DF and SPP modules, Unix shell scripting, Tivoli monitoring tool

## Educational Qualification:

* **Master of Computer Application from Utkal University.**

## Professional Certification:

* **AWS Certified Solution Architect - Associate**
* **Sun Certified Java Programmer** (SCJP).