MADHULIKA SINGH
RESUME

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CAREER OBJECTIVE

To work in an organization that provides continuous learning and growth opportunities, effectively utilizing my analytical and interpersonal skills to achieve the enterprise solutions.

PROFFESIONAL DETAILS

- Astute professional with about 5 **years of experience** in the IT industry.
- Expertise in Core Java, J2EE, Web Services, EJB, XML, Spring Framework, Oracle PL/SQL.
- Experience in managing complete System Development starting from **requirement gathering, design, testing, Quality Control (QC)** to **deployment**.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES	**Java/J2ee**, SQL, HTML, **XML, JavaScript,**
JAVA TECHNOLOGIES	**Spring** 2.x & 3.x, POJO, JDBC, DAO, EJB, **Web Services** (JAX-WS), Hibernate
WEB MVC FRAMEWORKS	**Spring** 3.x**, Struts** 1.x
WEB & APPLICATION SERVERS	**WebSphere Application Server 6.1, WebLogic, Tomcat** 6.x
RDBMS	IBM db2, Oracle PL-SQL, MySQL,
IDES	**RAD 7.5**, Eclipse, Workshop, Spring tool suite
BUILD TOOLS	Maven 2, ANT
CODE QUALITY TOOLS	PMD
VERSION CONTROL TOOLS	SVN, CVS
DESIGN AND MODELLING TOOLS	UML using Provision
LOGGING AND DEBUGGING TOOLS	**Log4j**
TESTING TOOLS	**SoapUI, JUnit, Tamper Data**
OPERATING SYSTEMS	Microsoft Windows 98/XP/Vista, UNIX

INDUSTRIAL EXPERIENCE

COMPANY: TATA CONSULTANCY SERVICES LIMITED

I.T. Analyst	*[July 2014 –Oct 2014]*
System Engineer	*[May 2013 –June 2014]*

KEY PROJECTS

1. PREPAID CARDS   *Client: Citi bank*
[Dec 2013 - Oct-2014]

This project consisted of various UI applications and backend services, all dedicated to provide prepaid card service to the clients, cardholders and the partners. This UI applications were build on **Struts 1.x MVC** architecture and the backend services mainly consisted of in-house built web services.

a. Virtual card enhancement and Real-time Claimable payments

This was a migration project for retiring the old SQL-agent jobs, which were used to send the email notifications to the cardholders.

Work done

- Independently studied and developed design for the existing **SQL agent** and **Spring batch** jobs flow; and created new design accommodating new business requirements as well.
- Developed the code, created Tables & Stored Procedures as per design.
- Written **JUnit** test cases for all test scenarios and completed Unit testing.

b. Vulnerability Access (VA) Issues

This project consisted of various security/vulnerability issues as detected by the VA testers in the existing application. This project was of very high priority for business as it was related to enhance the security of the banking websites.

Work done

- Learnt and used **Tamper Data** software for manipulating the HTTP request for replicating the VA issues.
- Fixed, tested and deployed the VA issues.

2. CLIENT TECHNOLOGY AND DATA MANAGEMENT (CTDM)

Client: Bank of America

a. META-DATA PORTAL   *[May 2013 – Dec2013]*

This project is an UI for clients to maintain the meta-data about other applications. It uses **Spring 3.0** for MVC and **Hibernate** for Database layer**.**

Work done

- Written **ANT script** for deployable artifact (Enterprise Archive) build.
- Introduced a new functionality (tab) in the UI for a new requirement to save SLA related information regarding the data; using **Spring 3.0 annotation** based implementation.
- Used **POI** for creating MS-excel format reports.
- Used **Spring Scheduler (quartz)** scheduling the report creation.
- Fixed production UI related defects.

COMPANY: INFOSYS LIMITED

Senior System Engineer   *[July 2012 - April 2013]*
System Engineer   *[June 2010 - June 2012]*

KEY PROJECTS

1. FSI ADM - GLOBAL COMMUNICATION SYSTEM (GCS)   *Client: American Express*

This project is an integration of numerous *mini* and *strategic* projects. Its main function is to send out communications (emails and letters) to American Express customers regarding their bank accounts/cards that includes **retrieving data** from other external teams, **validating**, **processing** and assembling the same in **batch** and **online** modes.

a. PERSONAL SAVINGS-II   *[Jul 2012 – April 2013]*

As a part of Personal Savings-II new Web Application and **web services** need be developed to cater the new requirements of American Express for enabling communication for Personal Saving scheme.

Work done

- The Web Services designed and developed in this project was generic and would take care of all the online communication for GCS in future.
- Created new **MQs** and **Message Driven Bean (ejb-2.1).**

b. DTP ALERTS – AUSTRALIAN MARKET   *[May 2012 - Jul-2012]*

This project introduced a new feature of sending email to the customer detailing their card transaction.

Work done

- Created new **template XMLs** for all the emails as per business requirements.
- Modified existing java code for processing and **formatting** of input data

c. xPRESSION TO TH MIGRATION   *[August 2011 - June 2012]*

Migrated **Card Member Agreement** (CMA) flows from WAS5 to WAS6 and replaced content generation tool from xPression to **Thunderhead (TH)** to accomplish new business requirements. This project was completed in two phases -

Phase 1

This phase was to keep the initial flow as it is and to migrate only the assembly tool from xPression to Thunderhead.

Work done

- Flow and DB changes, which were required for invoking Thunderhead for content generation.

Phase 2

This phase was to redesign the batch and online CMA flows to work with the WAS-6 framework. And also to migrate existing WAS-5 web services to WAS-6 (using JAX-WS)

Work done

- Migrated axis based Web Services to **JAX-WS** based Web services.
- Created new framework for CMA flows as per GCS WAS6 architecture which included writing new codes, reusing phase 1 components and DB changes
- Created new **Unix shell scripts** for batch processing of CMA requests.

d. COMM TRANS PHASE 2 *[June 2011 - Jan 2012]*

The requirement of this project was to auto generate letters for global new accounts for Canadian and Mexican markets. Application status (approved or rejected on the basis of their eligibility) was to be notified to the customer when they applied for a new account/card.

Work Done

- A new **Web Service Consumer** was created using **JAX-WS 2.1** for fetching the Product name for the letter.
- Created new templates for the letter mock ups as per business requirements.
- Modified the existing processing logic to accommodate new requirements.

e. GCS FRAMEWORK UPLIFT *[Nov 2010 - June 2011]*

This project included –

- Migration of GCS from WebSphere Application Server (WAS) -5 to WAS-6.
- Framework redesign, considering the design defects like DB calls, code complexity etc. in the previous architecture.

Work Done

- Built the critical batch and online flows and designed the database for new framework.
- The content generation tool was replaced from xPression to **Thunderhead** and hence code changes were done to invoke the same.
- Implemented **Spring2.0 DAO and Spring2.0 JMS** Frameworks**.**
- Added extra **data validations** for new business requirements.

System Engineer-Trainee *[January 2010-June 2010]*

Accomplished System Engineer training which includes learning various software languages and qualifying the certifications for the same. Undergone extensive training, online exams and hands on exams in:

- **JSP, JSF, Oracle, JPA**
- **UNIX**
- **RDBMS**
- User Experience Design
- **Object Oriented Programming**
- Operating System Concepts
- **Software Engineering & IQS Problem Solving Techniques**
- Introduction to Enterprise Application Development
- Introduction to web technologies
- Programming Basics
- Structured Programming
- Problem Solving Techniques

Key Achievements

- Completed **Infosys E&R Java** training with **a CPI of 4.97**(out of 5).
- Completed Infosys Star Certification for business communication.

ACADEMIC DETAILS

GRADUATION	COLLEGE	CPI/PERCENTAGE	YEAR OF PASSING
B. E. - (E&TC)	SSCET, Bhilai	8(Out of 10)	2009
XII CBSE	Maharishi Vidhya Mandir, Bilaspur	82%	2005
X CBSE	Jindal School, Raigarh	84%	2003

PERSONAL PROFILE

NAME	Madhulika Singh
DATE OF BIRTH	6th November 1987
SEX	Female
NATIONALITY	Indian
LANGUAGES KNOWN	English, Hindi
ADDRESS	Rm. 2, 6 F, No-28, Ln 125
	Jincheng !st Rd, East Dist,
	Hsinchu City 300,Taiwan (R.O.C.)

DISCLAIMER

I assert you that the information furnished above are all true to my knowledge. I shall be solely responsible for any discrepancy found in them.

Date:

Place: **Madhulika Singh**