**Abhishek Gupta**

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**SUMMARY**

* 11 years of extensive experience delivering end to end solutions. 6+ years of rich experience in Banking in CCAR, DFAST & BASEL, Credit Risk, Market Risk and Equity Structured Products trading systems.
* Good Expertise in Designing solutions with Multi-Threading, Concurrency, Design Patterns, Struts, Spring DI, AOP, Transaction Mgmt., MVC, LDAP, EJB.
* Possess good data algorithm, data mining and analytical skills.
* Good Experience in designing and implementation of WebSphere Batch and Spring Batch.
* Expertise in Hibernate and Mybatis framework.
* Experience in publishing and consuming web services using axis and CXF. Designing model objects in xml and JSON
* Expertise in writing PL/SQL, Stored Procedures, Triggers and Functions. Proficient in using DB2, Oracle and Sybase.
* Great expertise in Mule and Good knowledge of IBM integration Bus.
* Used Multithreading, Concurrent collections, Functional programmings and latest Java 8 features.

**EDUCATION & CERTIFICATE**

Bachelor of Technology, Malviya National Institute of Technology (MNIT, Jaipur), India.

Sun Certified Java Programmer (SCJP)

Sun Certified Web Component Developer (SCWCD)

Industrial Logic for Design Patterns

**PROFESSIONAL EXPERIENCE**

**Ally Bank Aug 2017 – Present**

**Lead Java Developer - contractor**

Corporate Treasury, Finance and Capital Markets system development group deals with multiple applications responsible for accounting of direct auto loans, indirect auto loans, third party loans, Capital Market Products (derivatives and fixed income) and Insurance products. It is also considered as sub ledger system for bank. Trades comes from other systems and gets processed from accounting engine. Accounting engine captures current data which gets reported to business for various purposes using various reports.

Responsibilities:

* Integration of Bloomberg trade feed from Black Rock trade feed for derivatives.
* Upgrade of current system platform.

**Environment**: Jboss, Flex, XML, JAXB, ANT, JUNIT, Hibernate, Oracle, SQL Server, spring, RMI.

**Citi Group Sep 14 – June 2017**

**CCAR (Comprehensive Capital Analysis and Review)**

The Comprehensive Capital Analysis and Review (CCAR) is quarterly and annual exercise imposed by Federal Reserve Bank to assess whether bank holding companies operating in the United States have sufficient capital to continue operations throughout times of economic and financial stress and that they have robust, forward-looking capital-planning processes that account for their unique risks. As part of this exercise, the Federal Reserve evaluates institutions' capital adequacy, internal capital adequacy assessment processes, and their individual plans to make capital distributions, such as dividend payments or stock repurchases through various stress scenarios.

Citigroup runs parallel CCAR projects for its different line of businesses and in end they aggregate all results and submit to federal government. Current project deals with Wholesale Credit (WSC) line of business and contains all loans in Corporate Real Estate (CRE), Corporate Lending Portfolio (CLP), and Available for Sale / Held to Maturity (AFS/HTM).

**Responsibilities:**

* Preparation of all input files like PD, LGD,CCF, IU, Spread shock, Price shock, LIBOR for Model using Multithreading, concurrent programming, and collections framework.
* Integration of Value At Risk(VAR) Calculation System to generate Stressed numbers.
* Implementation of Pre Analytical and Post Analytical framework using concurrent processing of disjoint scenarios for various stress numbers.eg. Net credit loss(NCL), LLR(Loan loss reserve), Revenue(Price). This also includes unscaled, scaled and various adjusted numbers.
* Implementation of Validation Framework for CCAR to validate stressed losses coming out of model using complex SQL.
* Implementation of Reporting Framework for CCAR to prepare Internal PnL and Fed submissions using poi.
* Design new batch framework using spring batch.
* Indexing and dynamic Partitioning of tables based on scenario and as of date.
* Preparing complex SQL to prepare adhoc reports for business.
* Developing shell scripts for automation and build in Unix.
* Preparing Data Analysis for debugging and Business Reviews.
* Develop functional and technical designs for new requirements.
* Developed Flows in Mule for transformation and integration.
* Upgrade current system to functional programming and latest Java features.

**Environment**: Mule, IBM WebSphere Application Server 6.1, XML, JAXB, Maven, JUNIT, ActiveMQ, Hibernate, Oracle, Unix, spring.

**Deloitte July 13 – Sep 14**

**Lead Architect**

Deloitte is migrating legacy systems in mainframe (cobol) to open source technologies for Department of

Health and Human Services of New Hampshire. New Heights is a system to manage various programs to support needy and poor people of New Hampshire. Front end of this system is in JSF, Back end is Java (EJB), Db2, Websphere Batch is being used to manage batch, Mule as esb to integrate with other applications and systems, ActiveMQ as messaging component and ILOG rules as rules engine. Reports are designed using Jasper.

Every Program has a specified flow which is managed by driver flow. Each process has one screen to gather data, EJB to process data and table to store that data. Mybatis is being used as persistence layer.

Batch is another core part of this system to manage daily, weekly or monthly tasks, generate various reports and manage various notices and letters. Websphere batch framework is being used to develop these batch and zeke is used as scheduler.

**Responsibilities:**

* Developed framework for New Heights batch and Migrating cobol jobs to websphere java jobs.
* Reports are developed using Jasper and pdf is generated as part of batch using jrxml.
* Developed FET tool to test new jobs against old cobol jobs. This tool executes job in cobol and then in Java and compares results. It can be database comparison or file comparison.
* Implemented Obama care and integrated it with federal exchange using Mule and ActiveMQ.
* Developed framework to generate various letters and notices based on different triggers, both from online process as well as batch. This service reads fixed format data, expands it and converts it to xml and feed it to HP extreme to format it and print it. It used JAXB to map java attribute to xml and models are developed using xsd.
* Junit is being used to write unit test cases using latest features like Data points and Theory.
* Prepare Detailed Design documents.

**Environment:** IBM WebSphere Application Server 6.1, EJB, XML, JAXB, Harvest, Maven, JUNIT, ActiveMQ, Mule, WebSphere batch, Mybatis.

**CNA (Insurance) April 12 – July 13**

**User Provisioning Service**

**CNA (Continental National American Group)** is one of the trusted Commercial Property and Casualty Insurance Provider. It provides solutions for Construction Professional Services, Education, Real Estate, Financial Institutions, Retail, Healthcare, Technology, Manufacturing and Wholesale Distribution industry. It has total asset of $ 58.5 billion.

User Provisioning Service is a secured SOAP based Web Service to perform user provisioning operations in LDAP (Lightweight Directory Access Protocol) and TAM (Tivoli Access Manager) for a third party applications. This service is built using apache CXF and spring and secured using Username Token. It uses wss4j interceptor and intercepts all endpoint request and validates credentials in soap header using username token against LDAP. If user is authenticated his request to perform user provisioning will be executed.

**Responsibilities:**

* Involved in creating the detail design document using requirement document.
* Involved in implementing Web Service using bottom up approach using Maven archetype.
* Used Apache CXF for web service development and spring for DI, AOP and Property Placeholder configure.
* Application has been developed using STS, WebSphere Application Server 6.1, Apache CXF, Spring, LDAP, TAM, EDMZ password vault, Jenkins as continuous build server, Maven and Fortify for code scanning.
* Responsible for build ear file and deployed on Development, QA, Staging and Production Servers.
* Administered, configured, and troubleshoot WebSphere on local environment.
* Configured LDAP and TAM system for storing user attributes.
* Developed spring beans and configured jax ws endpoints for service interface.
* Created repository in SVN and managed source code in SVN.
* Used JAXB for marshalling and unmarshalling objects.
* Created and implemented wss4j interceptor to validate user credentials against LDAP.

**Environment:** IBM WebSphere Application Server 6.1, Java/J2SE 1.5, STS, XML, IBM TAM, LDAP, Spring, SVN, Jenkins, Fortify.

**Project: Enterprise Rating System**

Rating logic for multiple insurance line business is moved from mainframe systems to Oracle Insbridge to improve rating performance and response time. WMB and ERS are middleware systems interacting between Tap (Mainframe System) and Insbridge. WMB (Websphere Message Broker) which transforms flat files to standard CNARM format and ERS transforms it from CNARM format to Insbridge format. There exists two separate flow for small and large policy rating. Small policy get rated in real time using http and Large policies asynchronously using message queues.

**Responsibilities**

* Involved in gathering requirements from users. Proposed solutions.
* Created Detail Design and application flow using UML.
* Used RAD 7.0 as development tool and Websphere 6.1 for deployments.
* Interfaced with websphere message broker.
* Developed application using Spring, Struts, JMS, Castor for XML marshalling and unmarshalling, Message driven beans, and Oracle 10g.
* Created mapping and hierarchy for approx 2000 xml business objects to java objects.
* Preparation of time estimations, proposing solutions and client presentations.
* Responsible for build ear file and deployed on Development, QA, Staging and Production Servers.
* Designed web services using apache axis with top down approach.
* Used Maven archetype to build project and creating artifacts.
* Experience in developing JUNIT Test Cases and worked on TDD, methodologies.
* Involved in version control (SVN) of the application.
* Used Log4J for logging.
* Used maven code gen plugin to generate java classes from wsdl.
* Deployed the application on Unix System.

**Environment:** Websphere 6.1, RAD 7.0, Java1.5, J2EE, Struts 1.4, Web Services, SOAP, SOA, JDBC, SQL, PL SQL, Log4J, Oracle 10g, Putty, XML, Maven, UML, Jenkins, and UNIX.

**Union Bank of Switzerland (UBS) June 10 – January 12**

**Yield Enhancing Product (YEP)**

UBS is a Swiss global financial services company headquartered in Basel and Zürich, Switzerland. It provides investment banking, asset management and wealth management services for private, corporate and institutional clients worldwide, as well as retail clients in Switzerland. It has total asset of CHF 1.259 trillion.

UBS investment bank deals in various structured products. Yield Enhancing Product is mid office application which receives trades from EQI (Equity Investor) through Gauss and Docgen systems. It supports ELN, Accumulator, Deccumulator, VMRAN and OTC Options. It processes trades on these products and feeds down to Klondike and Cops systems. It is basically an adaptor application which receives trade from Gauss on JMS Queue and from Docgen on http port. It processes these trades and saves into DB and inserts events as per product. It has events handlers to process events. It sends trade Json to Klondike over http link and to Cops on IBM MQ.

**Responsibilities**

* Conversion of functional requirements into High Level and Low level Designs.
* Automation of synchronization of Equity underlying from ESM and Crackle into YEP.
* Used JAXB for marshalling and unmarshalling objects.
* Responsible for build ear file and deployed on Development, QA, Staging and Production Servers using ANT.
* Responsible for the conforming to J2EE standards during implementation of designs.
* Implementation of Spring Application Framework.
* Used Hibernate as persistence/ORM framework, for persisting objects into Oracle DB.
* Used SVN for version control for the application.
* Involved in preparation of Test cases.
* Used JMOCK for mocking other systems for testing.
* Used Agile Scrum and Test driven development.
* Involved in system integration testing.
* Used Quartz scheduler to schedule events.

**Environment:** Java1.5, JMS, Eclipse, Jetty, Hibernate, Spring, SQL, PLSQL, Oracle 10g, UNIX, Junit, JMock, Ant.

**Project: Real Time Risk Booking**

RTRB is new mid office application to bypass current flow and directly book certain structured products for risk analysis. It receives orders from AQ (Auto Quote), process these and book to GR. It calls PM2 service for latest pricing of products for market orders. Scratch Development for analyzing risk before actual trade is done. It enabled client measuring risk before execution of trade which was not possible earlier as risk analysis booking of trade was required with proper allocations.

Responsibilities:

* Conversion of functional requirements into High Level and Low level Designs.
* Domain modeling and Database Designing.
* Devised design approaches to implement new scenarios & workflows.
* Preparation of project estimates and approaches to achieve the functionality with in the stipulated time.
* Developed the application using Java 1.5, JSP, servlets, spring, JUnit, Jmock, Jetty, and Oracle 10g.
* Marshalling and Unmarshalling from JSON to java object.
* Used Hibernate for data persistence.
* Analyzed and fixed production defects and Deployed application on UNIX server.

**Environment:** J2EE1.3, Java1.4, Eclipse, Oracle 9i, JSP, Servlets, MDB, JDBC, Hibernate, Spring, ANT, SQL, Log4J, JSON, MQSeries, Putty, TOAD.

**Royal Bank of Scotland (RBS) August 07 – June 10**

**vice president (Lead)**

The Royal Bank of Scotland is a British banking and insurance holding company. RBS GBM is the investment banking division and it provides banking services and integrated financial solutions to major corporations and financial institutions too. RBS Group has total revenue of £25.787 billion.

A key player in Risk Management (Corporate Market Risk), Prism team provides technical systems and support for the Credit Approval, Limit Management, Excess management and MI reporting for large corporate.

Credit Submission deals with the Credit Approval and Limit Management. It helps in creating and maintaining facilities for large corporate lending (including banks). All the facilities (loans) are made available in the form of various financial products depending on the facility risk class and type. Cradle calculates various important parameters corresponding to the facility and counterparty ex. RAROE, LGD, RR, etc. The RM and credit committee check these parameters, while deciding the risk for a particular Facility.

**Responsibilities**

* Played a key role in requirements gathering and feasibility analysis.
* Provided analysis of problem and devised design approaches to achieve the objectives.
* Client presentations and preparation of project estimates and approaches to achieve the functionality with in the stipulated time.
* Interpretation and conversion of functional requirements into High Level and Low Level Designs.
* Involved in complete life cycle of design, development, testing and deployment of application.
* Developed business logic in more customizable and modular way, which meets the complex client requirement changes, as per the client specifications and specified coding standards using proprietary frameworks.
* Used Java, JavaScript, spring, Servlets, JSP, JDBC, Struts, JUnits, JMS, JBoss, Ant and Oracle 9i..
* Used Multithreading for parallel processing of different component of front sheet report.
* Designed new services using various J2EE design patterns like Business Delegate and Service Locator.
* Involved in preparation of Test Cases and conducting Unit Testing.
* Involved in writing PL/SQL, Stored Procedures, Triggers, Functions and SQL query optimization and performance improvements
* Provided L3 Support for production issues too.

**Environment**: Java, JSP, Servlets, Javascript, Struts, Jboss Server, eclipse, JDBC, Oracle, HTML, Log4J, UNIX, CVS, Junit, Hudson, Bamboo, Fisheye, JIRA.

**Williams Energy August 05 – July 07**

**Multiple Java Applications**

The Williams Companies, Inc. is an energy company based in Tulsa, Oklahoma. Its core business is natural gas exploration, production, processing, and transportation, with additional petroleum and electricity generation assets. It has total asset of $ 26 billion.

As part of IBM Global Services team, developing and supporting all java based applications. These applications were built using JSP, Servlet, JavaScript, and Struts Framework and deployed on Weblogic server. Oracle 9i was used as backend.

**Responsibilities**

* Played a key role in requirements gathering and feasibility analysis with Onsite counterparts.
* Provided analysis of problem and devised approaches to achieve the objectives.
* Interpretation and conversion of functional requirements into High Level and Low Level Solution Documents.
* Involved in complete life cycle of design, development, testing and deployment of application.
* Complete understanding of use cases.
* Involved in creating JSP pages for presentation of the data to the end user
* Developed the Servlets, which responds to the JSP page and makes request to database in various cases
* Used Struts for MVC flow.
* Preparation of test cases and involved in unit testing.
* Used Weblogic for deployment.

**Environment:** Java, JSP, Servlets, Struts, JDBC, Oracle 8i, Web Logic Application Server 8.1, Eclipse 3.0, JavaScript, CVS, UNIX and Struts.