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**SHEKHAR ARYA javaejb**

**Sr. Sun Certified Java Programmer/ Developer**

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**Summary of Experience:**

Possess over 15 years of IT experience, focused in software systems architecture, design and implementation of entire life cycle of the software development. Following is a summary of experiences:

* Extensive software development experience using Java technologies (J2EE / Core Java), OOAD, OOPS,

Agile Methodology, Scrum, Databases, Application servers, Web programming.

* Experienced in software development life cycle (SDLC) including business interaction, requirement analysis, software architecture and design, development, testing and documentation.
* Experienced in OOAD technologies to develop use cases, activity diagrams, sequence diagrams and class diagrams using Unified Modeling Language (UML).
* Extensive experience in JSP, JSF, Oracle ADF, Rich Faces, Apache Struts, Free Marker Templates.
* Strong experience in Spring Framework, Spring JDBC, Spring MVC, Spring Batch.
* Experienced in Design Patterns like MVC, front controller, proxy, strategy, singleton, session façade, factory, template, observer etc.
* Strong experience in J2EE technologies including Enterprise Java Beans (EJB: CMP/BMP/MDB), Servlets, JMS, Java Beans, Applets, Multithreading, Eclipse RCP, SWT, JFace, RMI, JDBC and JNDI, JMX.
* Experienced in application servers like Oracle Weblogic, IBM Websphere, JBoss AS and Apache Tomcat.
* Experience in working on Hibernate / JPA, object-relational mapping (ORM) technology.
* Knowledge in technologies like AJAX, C#, C++ programming.
* Good understanding of Google Protocol Buffers (ProtoBuffs), ZeroC ICE Protocol / Framework
* Experienced with IDE /RAD tools like Eclipse for Java, IntelliJ Idea, IBM WSAD, BEA Weblogic Portal, IBM RSA
* Experienced in using ANT and Maven build tools, Gradle, TeamCity,Hudson, Jenkins, CVS, and SVN, IBM RTC.
* Experienced in distributed computing using JMS, EJB, RMI-IIOP, XML-RPC, ICE, Thomson Reuters, RMDS
* Strong experience developing Web Services using REST / SOAP Protocols
* Good hands on experience in IBM Cúram V6 Social Program Management Platform
* Experienced in HTML, XML, XSL, XSLT, XSD, XML Parsing (SAX, DOM), Castor, JSON, JAXB.
* Extensive experience in database programming in Oracle 7/8/9i/10/11G, SQL / PL-SQL programming, Sybase, MySQL, MS-SQL Server, IBM DB2.
* Experienced working on UNIX, Linux, Windows NT /2000/XP/ Windows7/ Windows 8.1 / Windows 10

**Qualification**

* Bachelor of Science (Physics, Mathematics, Chemistry)
* Advanced Post Graduate Three Years Diploma in Computer Application from “National Institute of Information Technology”,(NIIT) , New Delhi , INDIA

**Professional Certifications**

**Sun Java Certified Professional. ID: SP2846333**

**Brain Bench Certified Java Programmer ID: I603I43**

**Work Experience**

**Employer: 22nd Century Technologies, Inc (November 2016 - Current)**

**Client: Department of Health and Human Services, NC Project: NCFAST**

**Title: Lead Software Developer**

NCFAST is State of North Carolina ‘s ambitious Java /J2EE and Cúram technology driven project to improve the way NC DHHS and county departments do business together. This technology reduces paperwork and automates county processes in a statewide repository. It also facilitates faster services to children’s and families in need.

**Responsibilities:**

* Perform requirement gathering and analysis for various external and internal systems interfaces.
* Create architectural designs and prototypes for how disparate mainframe technologies based systems would integrate and communicate with Java/J2EE based applications.
* Provide creative and innovative solutions to design, business and implementation requirements.
* Model Entities , Facades, Structs in IBM RSA
* Customize and develop screen artifacts, UIM.s, DMX etc. using eclipse IDE
* Hand on code development and implementations of interfaces between Mainframe and Java based systems.
* Create Functional Design Document, Technical Design Documents and maintain epics and stories.
* Mentor and guide team members.
* Perform daily Scrums, task assignment and look after track development progress.
* Develop unit and integration test cases and coordinate with QA teams.

**Environment:** Java 7 / J2EE, IBM Cúram 6.02, Spring , IBM WebSphere, Junit, IBM RSA, Oracle database, Oracle ODI, TeamCity Continuous Integration, XML, Restful / SOAP Web services, maven for builds, FCFL and CPPS system.

**Employer: Collabera Inc. (April 2015 – November 2016)**

**Client: TIAA-CREF Financial Service Project: Life Goal Analysis/ Advice Central**

**Title: Sr. Software Developer / Sr. Programmer Analyst**

This high-profile project is designed for financial planning division of TIAA-CREF. Using this web based application, financial advisors can view and edit house-hold and financial details of the clients. Do financial planning, create advice and strategies for their future investments based on their risk tolerance. Generate PDF reports.

**Responsibilities:**

* Be part of business analysis and client interaction.
* Create architectural designs and prototypes.
* Create design documents, diagrams and implement them by coding in Java language.
* Mentor and train junior team members in on-shore and off shore teams.
* Develop unit and integration test cases and coordinate with QA teams.

**Environment:** Java 7, Spring/ Spring MVC, Free Marker Template, Weblogic Server, Junit, IBM RTC, Oracle database,

Pie Tech’s MoneyGuidePro , Jenkins Continuous Integration, Restful / SOAP Web services, Gradle for builds.

**Employer: Deutsche Bank, Cary, NC (January 2014 – March 2015)**

**Project: Ice-Station, Sr. Java Developer / Assistant Vice President**

Ice-Station is a Java platform based highly multithreaded, multi-tiered, low-latency and distributed application. It is used by traders around the globe for pricing synthetic equity (ETF, ETC, Index) and is deployed globally in USA, Europe and Asia.

**Responsibilities:**

* Develop solutions for new requirements and new functionalities like formula and strategy based pricing.
* Enhancing existing functionalities in pricing engine on server side and GUI side.
* Exercising full scale testing, deployment in UAT / Prod environments while release phase.
* Mentoring and guiding junior developers/ associates.

**Environment:** Core Java 7, Spring, Eclipse RCP/ SWT / JFace for GUI, Multithreading, ICE protocol middleware, Oracle, Tortoise, Maven, Jenkins, SVN, JMX, RESTful Web-Services, JMS, Reuters Messaging, Reuters Eikon, RMDS.

**Employer: CGI Group Inc., Montreal, QC, Canada. Clients:-**

**CGI Client: Laurentian Bank of Canada, Montreal (July 2012 – Dec 2013)**

**Project: Davinci 2, Team Lead / Solutions Architect**

This project was a very critical and important project for Laurentian Bank. The main objective of this application is to interface with 3rd party front end application or ATM network and receive message in ISO-8583 protocol and then parse the message into Java models. The application further communicates with mainframe system at backend to process messages and then response is to be parsed back into ISO-8583 format and sent back to front end system.

**Responsibilities:**

Mainly involved in design, development and implementation of ISO Parser, which was the heart of this application.

* Develop the main ISO-8583 to Java and Java to ISO-8583 parser using core Java.
* Perform architectural designs and analysis.
* Mentor junior programmers and assign tasks to team members based on priority.
* Develop the caching mechanism based on ehCache for deployment in clustered environment.
* Write JUnit4 test cases and suit to test the develop code.
* Write various UML diagrams e.g. Sequence, Class diagram for the parser module.
* Develop RESTful webservices for administration and statistics module.
* Do integration testing by deploying on Weblogic and testing via RESTful web services.

**Environment**: Core Java 1.7/ JEE, Apache CXF RESTful web service, ISO-8583 Messaging protocol, Weblogic, Junit 4, Oracle, Hibernate, Quartz Scheduler, JSON, Maven, Hudson for continuous integration .

**CGI Client: Deutsche Bank (April 2007 – July 2012)**

**Project: Integrated Marking Client (IMC), Team Lead / Solutions Architect**

The objective of the IMC application was to deliver an user-friendly platform to allow traders to easily mark CDS curves for end of day as well as intraday Risk/P&L for CDS eTrading offerings, risk updates, runs generation to better support trader workflow for DB’s Global Credit Trading business.

**Responsibilities:**

* Work on various server side components and services comprising the Marking Service, FDR Publisher, Quoting Service, Historical Marks, ICE Engine (InterContinental Exchange), utilizing RMDS and FDR systems.
* Enrich and parse the marked curves data to-and-fro pricing engine.
* Perform architectural designs and analysis.
* Develop various business components using EJB, MDB and JMS on Weblogic server and Oracle as database.

**Environment**: Core Java, JDK1.6, Eclipse IDE, WebLogic 10.3, SOAP Web services, XML, JSP, EJB (Session/MDB), Castor, Tibco JMS, Oracle, Log4J, SVN, Toad, Test Driven Development (TDD), JUnit , Unix, RMDS, FDR, ICE.

**Project: ABS-Track: Sr. Java Developer**

This application was devised to manage, track and create reports for Asset-Backed Securities (ABS). Users were able to create Request-for-quotes and quotes for various domains of ABS like CDO’s, CMBS etc and better manage securities.

**Responsibilities:**

* Develop back end server components for consumer US/CMBS modules.
* Design and implement the interface between front end (.Net) and Java/J2EE based back end components using SOAP based web services and EJB.
* Develop DAO components using Spring Dao’s and Hibernate for data persistence.
* Involve in doing requirement analysis, design and documentation.
* Create JUnit test cases and test suits for each and every method developed.

**Environment**: JDK1.6, Eclipse IDE, WebLogic 10.0, SOAP Web Services, Spring Framework, Hibernate 3.0, EJB (Session/MDB), XML, Castor, Tibco JMS, Sybase, SVN, DbArtisan, JUnit.

**Project: Tracer, Deutsche Bank**

Worked on various powerful and ingenious applications like Tracer, Epics, Fennel and Compass together called

Tracer platform. Tracer was a Java based trade capture and processing system. Bulk loads of prime brokerage raw trades were submitted by clients, which were enriched and processed in real time by Tracer platform.

**Responsibilities:**

* Complete various phases of the project requiring full software development lifecycle and Object Oriented Programming Model.
* Design, develop and test of various modules of like Securities lending, Trade Archive, iDelta Trade Feed, Tracer Static Data module, Options Monitor module, Geneva Synchronization Report.
* Use Java Server Faces technology (JSF) / Oracle ADF to develop various screens, developing controllers and managed beans for security lending.
* Extensively use Rich Faces / JSF/ Ajax for development of various screens and controllers for development of tracer static module.
* Use combination of EJB and Spring DAO’s in back end service layer for implementing business logic and model.
* Use JMS and Message Driven Beans for processing trades asynchronously between trade settlement phases and finally to destination queues or topics.
* Perform continuous unit, Integration and some QA testing for developed software.
* Mentor, guide and instruct junior programmers in the team.

**Environment**: JDK1.5, Eclipse IDE, WebLogic 10, Tomcat, Hibernate 3.0, Spring, JSF /Rich Faces/ ADF, JSP, EJB , XML, Castor, JMS, Struts, Sybase, HTML, SVN, Maven, Log4J, Tortoise, Hermes, DArtisan, JUnit, Jboss Cache.

***Employer: Global Consulting Group, MI, USA (February 2004 – March 2007)***

**Client: Department of Public Health, MA, USA**

**Project: EIM/ESM (April 2006 – March 2007)**

This application was initially developed for Department of Public Health for Massachusetts state government, but was later extended for other agencies as well. The objective of the application was: agencies used to maintain their service contracts for various government’s public health programs, with various service providers, like hospitals and medical organizations. Also it is used to gather invoices for services rendered and their payment processing.

**Responsibilities:**

* Implement system jobs module, to create system jobs which can be scheduled for specified time. Design and develop various system jobs. Also to work extensively on other modules like Contracts, Claims, and Invoices etc.
* Manage, instruct junior programmers in coding, deployment and testing.
* Implement and integrated Quartz scheduler with java application for scheduling purposes.
* Extensively use Design Patterns like Session Façade, Front Controller, Singleton and Business Object etc.
* Develop and deploy EJB (Session Beans, Message Driven Beans) for as Business logic components.
* Use JMS / ESB for asynchronous message transfer and processing.

**Environment**: JDK1.4, Eclipse IDE, WebLogic 8.1, JUnit, Quartz Scheduler, Hibernate, Unix, J2EE Technologies: EJB , XML, JSP,JMS, Servlets, Struts/Maverick Framework , Oracle 8i, HTML, CVS, Maven, Log4J

**Client: General Electric- Consumer Finance, OH, USA (October 2004 – March 2006)**

Develop web-based Java application for customer support representatives of GE’s call centers and consumer finance department. This web based application will replace old legacy prompt based application which is hard to use. Using this application reps will be able to process customer requests for their credit cards and finance issues.

**Responsibilities:**

* Design and development of credit limit increase and new application processing module of the project.
* Do extensive requirement, analysis, design and documentation.
* Develop front end interface using weblogic portal framework and weblogic workshop.
* Responsible for assembling and deploying server-side J2EE components like EJB, JSP, Servlets on WebLogic workshop.

**Environment**: JDK1.4, Oracle 8i, WebLogic workshop 7.0, Ant, JUnit, EJB , XML, JSP, Servlets, Struts, Log4J

**Client: Pharmaceutical Product and Development Inc. (PPD), KY (March 2004 - September 2004)**

This project was a web based portal application developed using BEA weblogic portal and J2EE technologies. The application was developed to automate and ease the process of clinical trials and clinical studies done by the PPD labs, used to setup clinical studies and analyze clinical trial data.

**Responsibilities:**

* Develop audit trail and reporting module of the project. Audit trail module required identifying and recording any changes, deletion or updating any demographical, Clinical information. No change anywhere should go unrecorded and un-noticed.
* Implement of designs using J2EE and weblogic portals technologies on BEA weblogic portal 8.1 framework, weblogic workshop and Weblogic Application server
* Develop pageflows controllers and front end GUI screens using Java, JSP which internally use Struts MVC framework.
* Develop detailed search and find functionality to search and view any history of changes made by any user, used JDBC extensively.
* Create and deploying web-services using SOAP to access and publish SAS data bases.

**Environment :** Weblogic Portal Server 8.1 , Weblogic Workshop 8.1 , JDK 1.4 ,JSP , EJB , Web-Services, SOAP, JDBC, MS-Visio, CVS , Oracle 8.1 , XML , XSL ,XSLT, X-Path, Ant ,Crystal Repots XI , Tortoise.

***Employer: Foreway Technologies, NY, USA (January 2000 – February 2004)***

**Client: Cingular Wireless (February 2003 – February 2004)**

This project was a POS (Point Of Sale) Application developed for Cingular Wireless to be used by nationwide retail stores of Cingular and their agent’s network. The system was targeting sales representatives and store managers as users. The Application front-end provides a lightweight single-point user-interface to the Inventory, Re-Ordering, Item Search, Accounting, Customer Billing, incorporated into the Point of Sale application.

**Responsibilities:**

* Mainly involved in design and development of Item search, Item re-order and Inventory control modules.
* Developed EJB’s using JBuilder, WSAD 5.0 as IDE and finally deployed on Webshere application server.
* Involved in Unit Testing, Integration Testing and Stress Testing using JUnit.

**Environment**: JDK1.3, Oracle 8i, JBuilder, WSAD 5.0, WebSphere App. Server, Ant 1.4,JUnit, Rational ClearCase. J2EE Technologies: EJB, XML, JSP, Servlets, Apache Jakarta Struts1.1

**Siemens Corporation, New Jersey (August 2001 - January 2003)**

eSpares was a powerful web based application developed by Siemens for selling online, the spares parts for its gas and steam turbines. This application gives total control to its turbine unit customers to search and view spares parts, get Quotes and Order using inbuilt shopping cart.

**Responsibilities:**

* Involved in development and testing quote generation, order generation and front end GUI screens generation for gas turbine.
* Develop front end GUI screens, model, and controllers using Struts framework specification.
* Generate GIF files from autoCAD format files. Creating hotspots for spare parts.

These GIF files are used in displaying turbine portions to customer.

* Create and deploy stateful session beans such as cart bean, Bean managed Entity bean such as customer, turbine units etc.
* Develop and test using WSAD with inbuilt Eclipse IDE and JBoss application server. Later for production application port to websphere.
* Create webservice using SOAP to access data from backend legacy SAP database.

**Environment :** Websphere, WSAD, JBoss , JDK, JSP , Servlets, J2EE , EJB ,VisualSourceSafe , RationalRose 2000, Eclipse, IBM DB2 , AIU Extractors, XML, XSLT, JDBC,JNDI, SQL, WebServices, SOAP,IBM HTTP Server.

**Client: Financial Fusion Inc. (A SYBASE Company), NY, USA. (January 2001 – July 2001)**

* This was a financial project for VISA credit card. Client can check his credit card status online and download his statement. Client send the request via browser front end to WebLogic which further call handlers on Financial Fusion Server which is a middleware and works over WebLogic application server.

**Responsibilities**:

* Used the principles of Object Oriented Analysis & Design (OOAD) to design and develop the system.
* Develop Session management Callback handler.
* Develop Controller servlets to handle client request which further dispatches the request to various handlers.
* End Statement request callback handlers for Financial Fusion Server which is at middleware.
* Write PL/SQL Stored procedures. Use JDBC Batch statements extensively for making database calls
* Use SOAP for communications with legacy infrastructure.

**Environment:** Java Template Format (JTF) (Sybase’s proprietary, modeled on JSP), OFX, XML, Financial Fusion Server 4.0 and WebLogic 5.1, iPlanet 4.0, Sybase 12.0**,** JBuilder 4.0, RationalRose.

***Cosmos Software and Solutions, New Delhi, India, (May* 1999 – December 2000)**

**Store Inventory Management Application:** Developed a J2EE based distributed multi-tier application designed to create a network of retail stores and suppliers. Each store is a client and all the finance and inventory management was automated using client application developed on Java swing. Each store client is connected to a central server.

**Responsibilities:**

* To design and develop the supplier and store user logon administration, order book creation and updation, truck schedule updating part of website which was developed using JSP, HTML, and Javascript.
* To design, develop and deploy Enterprise Java Beans at the middle tier websphere App. Server.
* All the designing used Object Oriented methodologies extensively using UML with Rational Rose.

**Environment:** JSP, HTML, Java Swing, SQL Server, EJB, Oracle 8, IBM Websphere 3.5, Server, VisualAge for Java

***Omega Technology, New Delhi, India,* February 1998 – April 1999**

This system was basically to the support the needs of an internal department. This system maintains information about employee details such as designation, provident fund details and maintaining the basic pay, loans, and time sheets.   
**Responsibilities:**

* Responsible for analysis and design of the system.
* Draw the design diagrams using the case tool.
* Extensively use AWT, Swing components and Servlets

**Environment**: Java, JDK 1.1, JDBC, AWT, Swing, Servlets, HTML, Oracle 7, and Windows NT.