

**SHEKHAR ARYA javaejb**

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

**Email: [shekhar.arya@gmail.com](mailto:shekhar.arya@gmail.com) Cell: 919-415-0950**

**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 Boot, 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.
* Good knowledge in technologies like AngularJS , Node.JS, React JS, 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, 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, Micro Services, SOA
* Experienced working in Trading applications in Capital and Financial markets, Health Care Industry.
* Good hands on experience in IBM Cúram V6 Social Program Management Platform IBM RSA for Modelling
* 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.

**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: Xoriant Corporation**

**Client : Citi Bank , New Jersey Project : Derivative Clearing Workstation**

**Title: Sr. Java/J2EE developer (November 2017 - Present )**

Derivative Clearing Workstation is Citi bank's Pre-clearing IM limit management system for OTC cleared rates, credits and fx derivative products. DCW manages clients risk and Initial Margin(IM), Variable Margin (VM) based limit requirements to clear trades from clearing houses and SEF's (via Credit Hub). Rules based engines used for limit management and auto affirm for trades - reducing manual intervention and complying with regulations.

**Responsibilities:**

* Design and develop new functionalities for IM / VM limits verification and pre-trade clearing.
* Participate in architectural and design sessions for planned architectural re-design of application based on micro-services and cloud based technological stack.
* Fix existing production issues and bugs.

**Environment:** CoreJava 8, Multi-threading, Spring, TeamCity CI, BitBucket Git , SourceTree Git client, Oracle 12, ICE API, Traiana credit hub gateway, C# GUI front-end, Gemfire cache.

**Employer: 22nd Century Inc.**

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

**Title: Tech Lead Developer (November 2016 - October 2017 )**

NCFAST is State of North Carolina ‘s ambitious Java /J2EE and Cúram V6 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.
* Develop Cúram model Entities ,Process, Facades, Structs in IBM RSA
* Customize and develop Cúram screen artifacts, UIM , VIM, DMX etc. using eclipse IDE
* Design and develop Spring Batch Jobs and Steps to populate Cúram entities with FCFL data.
* Hands 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.
* Develop server-side development and web service endpoints based on SOA.
* Develop unit and integration test cases and coordinate with QA teams.

**Environment:** Java 7 / J2EE, IBM Cúram 6.05/6.2, Spring ,Spring Batch, IBM WebSphere, Junit, IBM RSA, Oracle database, Oracle ODI, TeamCity Continuous Integration, XML, Restful / SOAP Web services, maven for builds, FCFL.

**Employer: Collabera Inc. (April 2015 – October 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.
* Developing back end services and web services based on Service Oriented Architecture (SOA).
* 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, Spring Boot, Free Marker Template, Weblogic Server, Junit, IBM RTC, Oracle , 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 trading 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.
* Used multithreading to develop code for concurrent execution and parallel processing.
* 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 application was developed 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. Application further communicates with mainframe system to process messages and then response is to be parsed back into ISO-8583 format and sent 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. Create various UML diagrams e.g. Sequence, Class diagram
* Develop processors using multithreading for parallel processing.
* Mentor junior programmers and assign tasks to team members based on priority.
* Write JUnit4 test cases and suit to test the develop code.
* Develop RESTful webservices for administration and statistics module.

**Environment**: Core Java 1.7/ JEE, Multithreading, 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 / Sr. Developer**

The objective of the IMC trading 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.
* Develop frontend screens and UI based Angular JS and Spring MVC, and back end server components.
* Perform architectural designs and analysis.

**Environment**: Core Java, JDK1.6, Eclipse IDE, WebLogic 10.3, SOAP Web services, XML, JSP, EJB (Session/MDB), Castor, AngularJS, Spring MVC, Tibco JMS, Oracle, Log4J, SVN, Toad, 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:**

* Involve in doing requirement analysis, design and documentation.
* Design and implement the interface between front end (.Net) and Java/J2EE based back end components using SOAP web services based on Software Oriented Architecture.
* Develop DAO components using Spring Dao’s and Hibernate for data persistence.
* 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 Trader, Deutsche Bank, Sr. Java Developer**

Worked on various powerful and ingenious trading applications like Tracer, Epics, Fennel and Compass together called Tracer Trading 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, Tracer Static Data module, Options Monitor module, Geneva Synchronization Report.
* Develop back end services using multithreading for concurrent and parallel processing.
* 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.
* 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.
* 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, SOA 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)**

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.

**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.
* Responsible for assembling and deploying server-side J2EE components like EJB, JSP, Servlets.

**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)**

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.
* Implement of designs using J2EE and weblogic portals technologies on BEA weblogic portal 8.1 framework.
* Develop detailed search and find functionality to search and view any history of changes made by any user.
* 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. **Responsibilities:**

* Mainly involved in design and development of Item search, Item re-order and Inventory control modules.
* 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 , order generation and front end GUI screens for gas turbine.
* Create and deploy stateful session beans , Bean managed Entity bean such as customer, turbine units etc.
* 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 Controller servlets to handle client request which further dispatches the request to various handlers.
* 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.
* To design, develop and deploy Enterprise Java Beans at the middle tier websphere App Server.

**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.
* Extensively use AWT, Swing components and Servlets

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