

***Krishna K***

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**PROFILE:**

* Highly skilled Agile Java/JEE developer specializing in Object-Oriented Analysis and Design (**OOAD**) with extensive experience in full life cycle of the software development of high transactional and scalable web and enterprise client/server and distributed applications.
* Over 10 years of IT experience with 7 years of **Agile** development experience in Agile-Scrum/**XP** environment, adopting lean software engineering practices like, **managing waste**, **build in quality**, **knowledge creation**, delivering fast, test-driven development (**TDD**), **behavior-driven development** (**BDD**), **continuous integration (CI)**, **code refactoring**, **simple design**, **pair programming**, automated testing, design improvements, and coding standard to improve quality and agility.
* Oracle Certified Java SE 6 Programmer with excellent understanding of fundamentals of Core Java ranging from language basics to **OOA/OOD** concepts, flow controls, exception handling, API contents, collections, generics, multi-threading and concurrent API..
* Working experience in SOA & Microservices architectures and developed business/service integration layer using EJB, **Spring, Spring Boot,** **Spring Cloud, Cloud Foundry,** **Spring Integration**, JNDI, **JMS**, **IBM's MQ Series**, Webservices, Apache CXF, Metro, Oracle Service Bus , Apache commons, Log4J, **GoF Design patterns** and **JEE Design patterns**. Experience in developing persistence layer using JDBC, Hibernate and JPA.
* Experience in developing presentation tier using Servlets, JSP and Tag Libraries, Struts1&2, JSF, ICEfaces, **Spring** MVC, Play Framework, JavaScript, jQuery, DOJO, AJAX, DWR, FreeMarker, **JSON**, Groovy, CSS and HTML/HTML5.
* Hands-on experience in using XML and XML extended technologies - **XML**, **MXML**(Murex), **FpML**, DTD, **XSD**, XSLT, XPath, DOM, SAX, **SOAP**, JAXP, JAX-WS, JAXB and knowledge of XMLBeans.
* Experience in developing data layer using **SQL** and stored procedures (PL/Sql) and excellent knowledge of database concepts like tables, views, packages, triggers, cursors, indices and joins of **Oracle**, **Microsoft SQL Server**, **SQL Server Management Studio**, MySql and **DB2**. Working experience with Business Objects 3 and Business Intelligence 4.
* Experience in enterprise Java application deployment on WebLogic Server, WebSphere Application Server, JBoss App Server and Apache Tomcat Server, development using IDEs – Rational Application Developer, WSAD, IntelliJ, Eclipse and NetBeans and build automation using **Maven** and **Ant** tools. **JUnit**, TestNG, **jMock**, **Mockito, powermock** and soapUI is used for unit testing and Selenium for functional and smoke testing. Used FindBugs, IETester, Firefox, Web Developer tools, FireBug, ColorZilla, **SonarQube**, CheckStyle, FindBugs and PMD for code analysis in order to improve the code quality.
* Proficient in working with **UNIX**, Linux and Windows platforms and experience in shell scripting
* Experience in using CVS, Subversion (**SVN**) and **Git** for version controlling, IBM Rational ClearQuest for workflow automation including activity assignment, monitoring status and tracking debug status, Rally for Agile project management, UML for **Object Oriented Modeling and Design** and **Hudson** and **Jenkins** for Continuous Integration.
* Experience in using Content Management Systems such as Tridion, Alfresco and ATG Content Administration.
* Experience in **Investment Banking** and **Regulatory reporting (CFTC, EMIR, MAS and HKMA)**
* Good interpersonal communication skills, good analytical reasoning and ability to deliver result-oriented solutions. Aptitude to meet customer deadlines, while contributing towards forming friendly and cohesive team environment.

**EDUCATION:**

Master of Science in Computer Science & Engineering -2006

Bachelor of Engineering in Computer Science & Engineering – 2001

ORACLE Certified Professional, Java Standard Edition 6 Programmer Certification.

ORACLE Certification Program- Oracle Database 11g: SQL Fundamentals.

Certification from 10gen Education in MongoDB for Java Developers (92%).

Scrum Fundamentals Certified from ScrumStudy and Project Management Institute.

**CAREER HISTORY:**

**Nov 2015 – till date, Asset Management, JPMorgan Chase & Co, Glasgow, U.K**

**Software Engineer (Senior Application Developer in Regulatory reporting)**

I am currently working as Senior Application Developer in Global Wealth Management Derivatives and Regulations Technology. Role and responsibilities in my current project.

* Part of Global team, which has presence in Geneva, Bangalore, Mumbai, New Jersey and London primarily working on CFTC reporting of FX Swap/Forward/Spot and OTC products of different asset classes (EQ,FX,FI and Commodity). I have successfully completed the project assignment to report PET, Snapshot, Valuation and Confirm reports of FX Swap/Forward/Spot to the Global Trade Repository (GTR) - DTCC over MQ in timely manner. The flow is developed using primarily using **Spring**, **Spring Integration, XML, JSON, SOAP, JMS, MQ, JNDI** and **Tomcat**. Currently working reporting of NDFs (non-deliverable forwards) and OTC products.
* Fixed defects in applications which sent the reports to MAS, HKMA (HKTR) and EMIR (DTCC and CICI)using **Mule** based application over SFTP.
* Added functionality in applications which are used by middle office to book the OTC trades and managing Governance and Control functionality.
* Developed Java code, **Stored Procs**, **SQL** liaising directly with the product owners collaboratively in **Agile** Team. Used **multi-threading** and **concurrent API**.
* Working in **Agile XP** team following the strict priority of the stories and shorter sprints and focusing on TDD, **BDD**, **Pair Programming**, **code refactoring**, **design improvements**, automated testing and other good practices.
* Improved the code coverage and quality writing unit, integration tests, code reviews and refactoring.
* **Maven**, **SVN** & **GIT** (SourceTree & Tortoise SVN and GIT), **Jenkins** used for Project management, Version control and **continuous integration (CI)** along with internally developed tool and **UNIX** Shell scripting for deployments. Created number of build and deployment jobs on **Jenkins (CI).**
* Designing and Developing cloud based **Mircoservices** primarily using **Spring Boot**, **Spring Cloud** and **Cloud Foundry**
* I am an Application Security Champion (internally certified role) responsible for preparing the developers to understand software security threats, remediate vulnerabilities and manage risk on the applications the team is working on.
* Used HP Fortify for Static Scanning, Black Duck for Open Source Software scanning and **SonarQube** for Continuous Code quality and Cigital Secure Assist for Secure Coding.

***Environment:* Java7/8**, JEE, Tomcat 7.X, JNDI, Eclipse, **Spring** 3.x/4.x, **Spring Boot**, **Spring Cloud, Cloud Foundry, Microservices, Spring Integration**, Spring JDBC, JMS, **MQ**, Java Applets, **JUnit**, **jMock**, **Mockito**, **powermock**, **Cucumber**, Mule, **Sybase**, **MS-SQL Server**, SQL Browser, Murex, **MXML**, **FpML**, UNIX, Shell Scripting, **Maven**, Nexus, **SonarQube**, **Jenkins**, HP Fortify, Black Duck, **SVN**, **GIT**, **BitBucket**, **Stash**, **SourceTree**, Tortoise SVN, Tortoise GIT, Splunk and HP ALM

**Apr 2015 – Nov, 2015, CIB, JPMorgan Chase & Co, Glasgow, U.K**

**Associate (Senior Application Developer)**

I am working as Client Portal – Application Developer developing various reports for customers under Post Trade / Investor Services of JPMorgan Markets site. My responsibilities included – developing Business Intelligence semantic layer (Universe) and Standard & Custom Reports using Business Objects, on-boarding them onto existing portal/scheduler using the existing applications, developing Update/Rollback SQL scripts and Views, preparing the deployment scripts & release notes, migrating BO3 Developed artifacts into BI4 using BO BIAR Utility & BO export scripts and deploying the BO Universes & reports using Info Sol Version Manager and DB updates using internal deployment process (AIM). I have also briefly worked on admin activities of BO such as creating users and providing privileges in the BO CMC and developed a couple user-stories using Java and related technologies.

***Environment****: Business Objects 3/BI 4.2, InfoSol Version Manager,* ***Oracle****,* ***DB2****,* ***UNIX, SQL, PL-SQL, SQL Developer, DB2 Control Center, Java, Spring, Maven, SVN, GIT, Jira***

**Sep 2010 – April 2015, SPA Business Services LTD, Uxbridge, U.K**

**Java/JEE Software Consultant**

I have been working as a Java/JEE consultant with SPA Enterprise Services and have worked on six implementations with five different clients – **Trapeze Group, OAG, Haven, Maersk and ACME Solutions Ltd**.

At **Trapeze Group (http://www.trapezegroup.co.uk)**, I worked as a Java-JEE consultant developing Webservices and Web UIs to integrate with Stagecoach and Traveline Scotland sites. I worked in Agile XP team with one week sprint, completing the prioritized user stories from the product backlog. My technical responsibilities include – developing, testing and exposing the web services using the WSDL, XSDs, XML, Java, JEE, JAXB, RMI, jMock, Spring, Guava, Apache CXF, Maven, SOAP UI, Jetty and design patterns, - developing Web UI using JSP, XSLT, JSTL, Custom Tag Libs, JavaScript, jQuery, HTML and CSS, and - developing DB layer by installing MySql, creating DB and tables, writing the SQLs and integrating the data into Java application using Apache Torque. I used Maven, SVN, Git, Gitorious, SourceTree, Bamboo, Review Board, SonarQube, Confluence, Jira for build & deployment, **continuous integration** **(CI)**, code reviews, code quality, knowledge sharing and issue & project tracking. Followed good engineering practices like **pair programming**, **TDD, Simple Design and Code refactoring.**

***Environment****:* ***Java****,* ***JEE****,* ***jMock****, Apache Torque,* ***Spring Tool Suite****, Jetty, Apache Tomcat 5.5 & 7, JSP, JSTL, JavaScript, jQuery, HTML, CSS,* ***Maven****,* ***Artifactory****,* ***Bamboo****,* ***SVN****,* ***Git****,* ***Gitorious****,* ***SourceTree****, RMI, Web services, WSDL,* ***XML****,* ***XSDs****, JAXB, SOAP, SoapUI, XMLSpy, Apache CXF,* ***MySQL*** *DB and Workbench,* ***SonarQube****, Review Board, Jira and Confluence.*

At **OAG**, I am primarily working on development of flight Schedule Analyzer and fixing the bugs and enhancements of the other products – Connection Analyzer, Traffic Analyzer, Mapper and DOT Analyzer. We are following the Agile Scrum with two-week Sprint. My technical responsibilities include – writing **the T-SQL** Stored Procedures to retrieve from the Enterprise Data warehouse, integrating the **Stored Procedures** into the Java application using the **Spring** JDBC layer, integrating the DAO with the front-end which is being developed using JSF, ICEFaces, HTML, CSS and jQuery, integrating external source feeds into the Java application using Web Services, improving the performance and the functionality of the existing products. The EDW has millions of records consisting more than 1500 Airlines and 5000 Airports’ data. The development in the Java application is Test Driven. Along with the feature stories, bugs and enhancements, I am working on spike (in Agile Scrum) in setting up the DB unit testing procedure using either Visual Studio or DB Unit.

<http://www.oag.com/>

***Environment****:* ***JAVA****, JAVA EE, Servelets, Web Services, SOA, JAX-WS, JBoss Application Server,* ***MyEclipse****,* ***JUnit****, Apache Commons,* ***Spring****, JDBC, JSF, ICEFaces, jQuery, AJAX, CSS, HTML, XML,* ***Microsoft SQL Server 2008****,* ***SQL Server 2008 Management Studio****,* ***SQL****,* ***T-SQL****, Firebug, HTML Validator, Web Developer Tool bar, ColorZilla, HttpFox, IE Tab and IETester,* ***Maven****,* ***ANT****, Redmine.*

At **Haven**, my role as developer includes replacing the existing booking engine and developing the other related features of high transactional web based e-commerce applications in order to improve the revenue. These include some back-end and good number of front-end GUI features. We have been following Agile-Scrum with two week sprint. Actively participated in sprint meetings - planning, retrospective, and contributed in defining the user stories and the acceptance criteria. Some of my tasks include – Developing the Data Access Layer using JDBC, SQL and **PL/SQL** and **T-SQL** to read data from Oracle and **Microsoft SQL Server**. Developing Business Layer using EJBs to process the data from the Delphi back-end application using CORBA and the data given by Data Access Layer. Developing Struts actions and configuring the application in order to control the processed data read from the EJBs to front-end. Developing front-end using JSPs, JSTL, Struts taglib, JavaScript, JQuery, AJAX (Includes JQuery and DWR), HTML, CSS, XML, XSLT, Firebug, HttpFox, HTML Validator, ColorZilla, IE Tab and IETester. Integrating Social media (Facebook and Twitter) functionality such as posting the booking confirmation to share with friends and family members into the websites. Managing the content using Tridion Web Content Management. Used Sonar for code analysis and to get the reports on test coverage, coding standards and other metrics. I have developed another booking system called “Sports and Leisure activity booking” which consumes the data from RESTful services of an external system. I have also configured the JBoss application server and used ANT for application build and deployment. Code developed strictly following **OOA/OOD** concepts and the best practices. The web development followed Open Web Application Security Project (OWASP) standards. These are some of the websites I have been working on.

<http://www.haven.com/>

<https://m.haven.com/> (Mobile site)

<http://www.devoncliffs-select.com/>

<http://www.rockleypark-select.com/>

<https://www.owners-exclusive.co.uk/>

<https://www.myhavenholiday.com/>

<http://www.havenholidayhomes.co.uk/>

***Environment****:* ***JAVA****, JAVA EE 5, JBoss Application Server, IIS, SVN, Eclipse Juno, JUnit, Apache commons, ANT, EJBs, JDBC, XML, CORBA, JDBC,* ***Oracle****,* ***Microsoft SQL Server, SQL, PL/SQL, T-SQL,*** *Tridion Web Content Management, Struts, Servelets, Log4J, JSPs, JSTL, Struts taglib, JavaScript, JQuey, jQuery mobile, AJAX, DWR, JSON, CSS, HTML, XSLT, .NET, C#, ASP, Firebug, HTML Validator, Web Developer Tool bar, ColorZilla, HttpFox, IE Tab and IETester,* ***Sonar****, UML and Rally.*

At **Maersk**, I was part of X-Leap group that develops Maersk Line new CMS (Content Management System) based portal (http://new.maerskline.com). The portal application is designed and developed based on **SOA** principles and methodologies. The project followed **Agile – Scrum** with two week sprint and six week release. Rally for project management and Hudson for continuous builds are used. Developed front-end using Java, jQuery, FreeMarker, Groovy, HTML, CSS, custom built MVC framework called SiteEngine and Play. Used Apache CXF to consume the Webservices. Oracle Service Bus is used to develop the services. EJBs and Hibernate are used to interact with the back-end systems. Coding followed test driven development. **JUnit**, TestNG, **jMock** and **soapUI** are used to unit test and Sonar to get the reports on test coverage, coding standards and other metrics. Code developed strictly following OOA/OOD concepts. Written Selenium based smoke tests. Setup the local development environment integrating Eclipse, SVN, WebLogic, Maven, Nexus and Hudson. Developed Maven based projects and deployed on WebLogic server.

<http://www.maerskline.com/>

***Environment****:* ***Java****,* ***JEE****, WebLogic,* ***SVN****,* ***Git****,* ***Maven****,* ***Hudson****,* ***Nexus****, JavaScript, jQuery,* ***JSON****, HTML, CSS, XML, Free Marker, Groovy, Play, Servlets, EJBs, Hibernate,* ***JUnit****, TestNG,* ***jMock****,* ***Sonar****, Selenium, JAX-WS, WebServices, Apache CXF, Oracle Service Bus, SOA, SOAP, soapUI, OBPM (Oracle Business Process Management), Oracle, Oracle SQL Developer, Splunk, Confluence, Windows, HPUX, TDD, Pair Programming,* ***Agile Scrum****, UML and Rally.*

At ACME, I have developed, test driven and maintained an accounting application with high level of quality. Project execution followed Agile – Scrum methodology with two weeks of Sprints. TTD, code refactoring and continuous integration techniques are used during the sprint with JUnit for testing each test case. Provided consistent and positive input to regular planning and estimation meetings and retrospectives. Spring framework is used enterprise integration and Hibernate is used in the data access layer to persist data. Developed presentation later using JSPs, Tag libs, JavaScript, HTML and Struts. Used Generics, Collections, Threads, user defined Exceptions and design patterns. Developed SQL and PL/SQL functions. Application designed strictly following OOA/OOD concepts. Worked closely with configuration management team for build and deployment.

***Environment****:* ***Java****,* ***JEE****,* ***Spring****, JSP, Struts,* ***Hibernate****, JUnit, XML, JAXP, HTML, ANT, MyEclipse, JBOSS app Server, Oracle, Agile Scrum, TDD, Subversion, Maven, Apache's Continuum, Continues Integration, Scrum WorksPro, Mercury QC and Windows.*

**Dec 2006 - July 2010, Hallmark Global Tech, USA**

**Java/JEE Consultant**

As a Java-J2EE programmer, I have worked on the 3 large enterprise applications. Provided input and feed back to overall system and solution architecture. Java code is test-driven using **JUnit** and **JMock**. Continuous Integration is achieved using Maven, Subversion and Cruise Control. The application is JSP, Struts/EJB /**MQ**/JDBC/Oracle layered. EJB is used enterprise integration and JDBC is used in the data access layer to persist data. Web UI is designed using JSP, Tag libs, JavaScript, HTML and CSS. . Worked on Enterprise Application Integration (EAI) framework that is implemented using EJB, **SOA**, **JMS**, **WebSphere MQ-Series**, XML configuration, SOAP and Web services. Worked with architects to translate designs into project task deliverables. Implemented design patterns - Business Delegate, Session Façade, Singleton, VO, DAO and Factory method. Migrated Code from Java 1.4 to Java 5, EJB 2 to EJB3.0, CMP to JPA and code annotation. Done Code refactoring to take an advantage of technology upgrade including usage of Generics, Enums and other new features. Used JavaMail, JTA and JNDI in business integration development. Closely worked with UAT and Build & Deployment team for application transition into production. I have participated with QA and Build and Delivery team processes to deliver stories to a production deployable, provided technical support and guidance to other team members and followed agreed standards and procedures set by the clients.

***Environment****:* ***Java****,* ***JEE****, Servlets, JSP, JDBC, EJB, Struts, JUnit, HTML, ANT, MyEclipse, WebLogic Server, Oracle,* ***Spring****,* ***Hibernate****, EJB,* ***JMS****, Java Mail, JNDI, JTA, RAD, Web Sphere Application Server, WebSphere* ***MQ-Series****,* ***SOAP****,* ***SOA****, IBM Clear Quest, JUnit, CICS, Oracle, DB2, Struts, Log4J, HTML, CSS, JavaScript, JUnit, TDD, XML, XSD, JAXP, Apache Commons,* ***JAX-WS****, CVS, Ant, AIX,* ***Agile Scrum****,* ***TDD****, CVS, LDAP, Maven, Apache's Continuum, Continues Integration, Scrum WorksPro, UML, Solaris and Windows.*

**Jun 2001 – Jul 2003, MxSecure Technologies Pvt. Ltd., India**

**Software Developer**

Developed a web application called EADS (Electronic Advice Deliver System) to automate Delivery of Payment and Collection Advice Emails and an Intranet/Internet based Project called Alliance Shipping Warehouse Manager (ASWM). Some of accomplishments included are -Participating in gathering and documenting customer requirements, developing web interface screens using HTML and JSP, validating form inputs using JavaScript, connecting to Database using JDBC, using Design Patterns DAO, DTO and Singleton, writing SQL statements to perform Create, Read, Update and Delete operations, documenting of Test Cases and involvement in testing of the system at different levels manually and production supporting and working on bug-fixing and enhancements

***Environment****: JAVA, Servlets, JSP and JDBC, HTML, JavaScript, Apache Tomcat, Oracle and Window 2000.*