

BALAJI JAYARAMAN

(+1) 647-877-5640

[balaji.jayaraman@gmail.com](mailto:balaji.jayaraman@gmail.com)

## PROFILE

Senior Java/J2EE backend developer with more than 15 years of experience in designing and developing software solutions across various domains like Banking, Networking, Health Care, Insurance.

Authorized to work for any employer in Canada (Canada PR holder).

## SKILLS

Java 8, J2EE , Spring (Core, JDBC, Batch, JMS, ORM), Spring Boot, Spring Cloud, Rest, SOAP, Microservices, Mongo DB, Graph QL, Mac OS, Solace 7.1, IBM MQ 5.1, Active MQ, Hornet Q, XML, Oracle (12c, 11i & 10g), Hibernate, SQL Server 2008, PostgreSQL, Wildfly 18, JBoss (4 , 5.1, 6.3 ), WebSphere 6.1, ServiceMix 4.4.1, GIT, Jira, Agile, JUnit 4.0, Mockito, XMLBeans, JAXB, Wicket, Maven 3.1, Ant, Eclipse, SubVersion, Bamboo, WinCVS, RSA, HTML, Jupiter, Agitar, UML, MS Visio, JXL, POI, Agile, Waterfall.

## EDUCATION

Birla Institute of Technology and Science, Pilani, Rajasthan India - Master of Science (Software Systems), 2006 - 2008

University of Madras, Tamil Nadu, India - Bachelor of Engineering (Computer Science and Engineering), 2000 - 2004

## CERTIFICATIONS

Sun Certified Java Programmer for the platform —1.4

Sun Certified Business component developer for the platform - 5.0

Sun Certified Web Component developer for the platform - 5.0

AWS Certified Cloud Practitioner.

## EXPERIENCE

**Senior Java Developer, RBC, Toronto     June 2018 - Till Date**

**Project: Operations Data Services**

Data warehouse platform for capturing and storing trading data and reference data from various front office trading system within Capital markets. Trades are sent to data warehouse in real time in different formats (XML, JSON, byte message, CSV) which are then standardized into FPML and captured into both relational and No SQL databases. Data

ware house is responsible for providing the trading data to all the downstream consumers in both real time and as end of day feeds. Various business services are built on top of the data ware house to provide on demand access to both reference data and trading data to several applications within the bank.

**Responsibilities:**

Involved in the design and development of the next generation operation data ware house which stores reference data and trade related data.

Implemented micro services which consumed real time trading data from various trading platform to ingest into NoSQL database.

Involved in the decoupling of existing restful business services used for trade enrichment into disparate micro services.

Built reporting engine and reporting solutions on top of data ware house for various trade reporting programs (Market Trade Reporting for IIROC, Bank of Israel Reporting).

Used Spring batch to report end of day trade reporting to the regulator.

**Technologies Used:** Java 8, Spring (Batch, Boot, JMS, Cloud) , REST, Solace, Mongo DB, Oracle 12c, Maven, GIT.

Senior Java Developer, CIBC, Toronto — June 2017 - Jan 2018

***Project: FX Technology***

FX Client Uploader is intended to streamline the bulk client creation process by allowing the user to upload and create the wall street counterparts in a single place.

Involved in the enhancements for the existing pricing and rate management applications to enable production support to manage static data as well as various rate sources like Master card, CUP, Reuters etc.

**Responsibilities:**

Entire front end development for FX Client uploader.

Involved in the enhancements of existing pricing engine web applications (FX Rate Management).

Developed multiple batch feeds using spring batch to send the pricing and rate information to down stream systems.

Developed various tools to automate the deployment process for the existing applications.

Mentoring co-op students and junior developers for the team.

**Technologies Used:** Java 1.7, Spring 4.0, Oracle 11i, Rest Webservices, JBoss Eap 6.3.0, SVN, JUnit 4.0, Jira, Jenkins, Maven 3.0.5, Agile.

## Senior Java Developer, Cognizant, Toronto    April 2014 - June 2017

**Client: Royal Bank of Canada**

### ***Project: Global Cross Asset Trade Reporting***

Trade Reporting Platform to comply with the regulatory reporting for Title VII of Dodd-Frank Act. Royal Bank of Canada needed to report the trade details of Over-the-Counter derivative trade details in Rates, Credits, FX, Equity and Commodity asset classes to a Swap Data Repository. This involves sending the trade data in FpML format via MQ over the life of the swap from trade inception to amendments, life cycle events and valuations on a daily basis. Solutions needs to built for various jurisdictions on top of the reporting platform for various regulators. Trade reporting Solution is capable of sending real time data as well as end of contracts to the regulators.

### **Responsibilities:**

Involved in the design and development of the reporting framework which stores trade reporting data.

Involved in the design and development of changes to the existing reporting platform.

Developed restful business services for trade enrichment.

Used Spring batch to report end of day trade reporting to the regulator.

Developed various tools and SQL stored procedures to stream line the production support process.

**Technologies Used:** Java 1.7, Spring 4.0, Oracle 11i, Rest Webservices, JBoss Eap 6.3.0, SVN, JUnit 4.0, Jira, Jenkins, Maven 3.0.5, Agile.

## Software Engineer, SmartStream Technologies. Bristol, United Kingdom

April 2011- March 2014

### ***Project: Corporate Action Solutions***

Corporate Action Solution provides complete end to end management of corporate actions across the full lifecycle of an event. Solution is built on top Smartstream TLM Platform which involves number of SmartStream products like WebConnect, TLM Control, TLM SmartSchema, SmartStudio. Corporate Action Solution is responsible for creating golden record through data capture, cleansing and distribution of data, automatic calculation of entitlements thereby generating correct transactions.

[http://www.smartstream-stp.com/Solutions/What\\_Do\\_You\\_Need/](http://www.smartstream-stp.com/Solutions/What_Do_You_Need/)

### **Corporate Actions Processing**

### **Responsibilities:**

Fully involved in the design and development of the solution which reduces manual intervention by enabling straight through processing for handling all corporate action

inbound (asset register, account, swift messages, positions) and outbound (email, swift, ftp) data to interested parties.

Creating and customizing business corporate action workflows and processes to suit customer requirements.

Involved in the enhancement of existing solution to cope up with swift changes every year.

Developed business services to support request based position management along with transaction based position load for existing solution.

SQL scripts and stored procedures for the Migration of the solution to comply with the newer platform developed in-house to make the solution inter-operable with external world.

**Technologies:** Java 1.6, XMLBeans, Spring 3.0, Eclipse 3.6, SQLServer 2008, Oracle 10g, JBoss 5.1, ServiceMix 4.4.1, JAXB, GIT, JUnit, Mockito, Jira, Jenkins, Maven 3.0.5, Hybrid(Agile/Waterfall).

**TLM Products:** TLM Control 3.2, SmartSchema 4.3, WebConnect 3.2 and SmartStudio 3.2.

**Java Developer, Tata Consultancy Services, Chennai India    March 2010 - January 2011**

**Client: United Services Automobile Associate**

Project and task management tool that has the ability to auto generate estimates for the task and specialized report generation like dashboard. The application provides features to import and export tasks from spreadsheet to handle environment failure; can send automated mails, reminder mails to resources when new tasks are being assigned to them as well as to track active tasks till completion. Application is being used by various projects in different lines of businesses of USAA .

**Responsibilities:**

Collaboration with software engineers in USA.

End to end design, development and implementation of the solution along with the back end database design and deployment of the application.

Used Wicket framework for both prototyping as part of next generation web framework evaluation and final implementation of the tool.

Automated scripts to send reminder mails.

**Technologies :** Java 1.5, HTML, Wicket 1.4, Spring 3.0 , Hibernate 3.2, Oracle, RSA, WebSphere 6.1, JXL, Maven 3.0, Iterative.

## Senior Engineer, Virtusa, Chennai India     July 2008 - Feb 2010

Client: **Casenet Inc**

Developed a web application using a Custom framework written in Eclipse RCP. Framework can be used to develop business logic and UI which are rendered by a client server application monitoring the wellness of patients by automating the entire clinical and business components of various care management programs.

Client: **Standard Chartered Bank**

Software for Standard Chartered Bank's business users in countries without a standard Account Opening system. This application will cover the input of bulk account opening records in form of excel template which containing all the mandatory fields for customer and account creation. Records in the input file will be processed in background to perform Norkom Check, De-Dup, Customer Creation (or Update), account creation by interacting with the Standard chartered bank's core banking system.

### **Responsibilities:**

Collaboration with business users in China.

Design and implementation of Back-end system and interaction with external systems via web services.

Ensured quality compliance by code reviews and peer reviews

**Technologies:** Java 1.6, EJB 2.1, Spring 3.0, HTML, SQL Server 2005, Maven, Subversion, Jboss 4.2, Waterfall.

## Java Lead Engineer, HCL Technologies, Chennai, India     July 2005 - April 2008

Client : **Cisco systems Inc**

### **Project: DCNM**

Data Center Network Management Application (DCNM) - Involved in the development of the network management software that helps users in managing a network of Data center (DC3) switches. DCNM will enable users to perform configuration management, fault management, security management, performance management, and accounting management in a network of DC3 and catalyst 6K series switches. Catalyst switches which form part of the data center network and inter-operate with DC3 switches in the data center network will also be managed using DCNM.

[http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4\\_0/dcnm/fundamentals/configuration/guide/dcnm\\_fund\\_config.html](http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_0/dcnm/fundamentals/configuration/guide/dcnm_fund_config.html)

### **Responsibilities:**

Collaboration with business users and UI engineers in USA and Bangalore.

Translation of networking feature into UML model.

Business logic to interact with the networking devices as well as with database.

Functional specification documentation and Technical solution approach.

Responsible for quality compliance using Agitar.

Mentoring Junior developers.

Defect fixing and new enhancements.

Application test setup and integration testing.

**Technologies:** EJB 2.1, Hibernate 3.0 , XML, PostgreSQL, Jupiter, WinCVS, Eclipse, Agitar, RSA, Ant, UML, MS Visio, Jboss 4.0, Bamboo, Jira, Waterfall.

### **Software Developer, Sify Ltd, Chennai India      June 2004 - June 2005**

Worked in the development of billing application for Sify cybercafes, broadband and way2talk service . User Session details will be available in a back end database. Billing application uses the XML which contains the business logic for billing a user session. Billing Application parses the XML and retrieves the details for billing a particular session and updates the database as well as user account details. User session history will be inserted in a separate table by the application.

Developed an XML generator tool which produces the input business file used by the billing application for various products.

#### **Responsibilities:**

Functional and technical documentation.

Development of parsers to parse the business logic present in the xml.

Application logic to compute the billing information for a user.

Unit test data preparation and unit testing.

**Technologies:** Java 1.4, XML , WinCVS, JUnit, Oracle 9i, Waterfall.