# Pramod R

# Email: pramod.r1204@gmail.com

# PROFESSIONAL SUMMARY:

* Distributed Systems Developer with around 11+ years of experience in all phases of software development life cycle and Distributed Cloud Application Development.
* Extensive experience in developing web/distributed applications using **Java/J2EE, Scala, Akka, AWS, Kubernetes, Python Servlets, JSP, JSTL, Spring, SpringBoot, EJB, JMS, ORM, Swing technology.**
* Hands-on experience in developing microservices using **Spring Boot, Spring REST & Hibernate framework, kubernets** for various web/portal based application development.
* Experience in developing web based application’s interface using **HTML5, CSS3,Bootstrap, Java Script, Jquery, Ajax.**
* Proficient in **XML** technologies like **XSL/XSLT, SAX, DOM, SOAP, WSDL, DTD, Schema, SOA, JAXB, JAXP.**
* Good hands on experience in developing web applications such as **MVC Architecture** using **Spring Framework**

and developing custom tag libraries for **JSP Pages.**

* Good experience in **Unit Testing** using **JUnit** and Version control using **CVS, SVN**, **Tortoise**
* Experienced in configuring build files with **ANT**, **Maven** and logging using **log4J**.
* Experience in reviewing Design documents, Requirement Specifications, Preparing Technical documents.
* Good experience in defining the **XML schemas** and in working with **XML** parsers to read and validate the data held in **XML** documents.
* Involved in Data Integration using **Java Web Services** (**JAX-WS, JAX-RS**)**.**
* Proficient in working **RDBMS** databases like **Oracle 11g/10g,9i**, **IBM DB2**, **MSSQL**, **MySQL** database servers. .
* Good understanding of **NoSQL** Database and hands on work experience in writing application on **No SQL**

database which is **MongoDB**.

* Experience in developing Stored Procedures, functions, triggers using Oracle and comfortable using databases

# SQL Server, DB2, MySQL and MS Access.

* Having good knowledge of Design patterns.
* Hands-on experience with **UNIX**, Linux environments.
* Very good experience in the design and development of data architectures.
* Experience with **Apache Tomcat** and **JBOSS** Application server.
* Experience in writing **shell** scripts to automate repetitive task.
* Worked in different methodologies such as **Waterfall** and **Agile**. Proficient in using configuration management tools such as **CVS** and **VSS**.
* Provided post-production application support and performed project/task estimation throughout the duration of the project.
* A quick learner and a team player with excellent communication, good management skills for analyzing user requirements and ensuring excellent functionality and maximum contribution to attain the team goal.

# TECHNICAL SKILLS:

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| **Enterprise Java and Java**  **Standard Edition** | JSP, Servlets, JMS, Logging API, Ajax, JDBC, Swing, JDBC, JNDI, JSON, JSTL, RMI,  JMS, JSP, Servlets, EJB, JQuery |
| **Cloud Technologies** | AWS, GCP, Kubernetes, kafka, zookeeper |
| **Framework** | Struts, Spring, Spring Boot, Hibernate, Web Services, JUnit |
| **Build Tool** | Maven, Sbt, Ant, Gradle |
| **Languages** | Scala, Java, C, C++, C#, Python, Go, JavaScript |
| **Operating Systems** | UNIX, Linux, and Windows XP/Vista/7/8/10 |
| **Web Technologies** | HTML, DHTML, XML, AJAX, WSDL, SOAP |
| **Web/Application servers** | Apache Tomcat, WebLogic, JBoss |
| **Databases** | MongoDB, MySQL, MSSQL, REDIS, Oracle 9i/10g/11g,DB2, SQL Server |
| **Tools and IDE** | Eclipse, IntelliJ, Visual Studio, NetBeans, Toad, Swagger |
| **Version control** | GIT, TFS, SVN, CVS |
| **Network Protocols** | TCP/IP, UDP, HTTP, DNS, SMTP |

**Education:**

Master of Science in Computer Science from University at Buffalo, Buffalo, NY.

Bachelor of Technology from National Institute of Technology Warangal (NITW), Warangal, Telangana, India

# WORK EXPERIENCE:-

**Adobe Inc, San Jose, CA Jan 2017 – Present**

# Role: Senior Java Developer

**Project : Trigger and Batch Campaign Processing**

Feature developer and problem solver for a couple of distributed campaign processing applications that are highly concurrent and scalable built using akka framework in scala. Leveraged modules Akka Cluster(with zookeeper) and Akka persistence(redis).

# Responsibilities:-

* Feature developer and problem solver for a couple of distributed campaign processing applications that are highly **concurrent** and **scalable** built using **akka framework** in **scala**. Leveraged modules **Akka Cluster**(with **zookeeper**) and Akka persistence(**redis**).
* The service addresses campaign requirements for 1000’s of customers each having millions of leads, running hundreds of campaigns every day.
* Applications include event based campaigns, batch campaigns and monitoring systems for them in roles as both Design and Development of the features and own them.
* Delivered features with good quality within the scheduled plan until the product is GA.
* Researched, designed and developed system software as per the project requirement.
* Developed business **REST** API using **Akka HTTP**, **Spring**, **Spring Boot**, **Hibernate** 4.3.
* Developed **DAO’s** for manipulating the data from the database.
* Integrated business layer with the **RESTFUL** services.
* Used ‘**Log4j’** to configure the logging of all the levels which were referring to the **framework and** used **Maven**, **Gradle** for dependency management and for creating application artifacts.
* Developed **SQL** Queries & stored procedures for **Mysql**.
* Consumed **RESTful** web services using apache **Http Client** or the data coming from external systems.
* Analyzed information to determine and recommend modification in the current application.
* Developed software with accuracy in line with the SLA’s.
* Used **Kafka** for reliable and asynchronous exchange of data for messaging queues.
* Worked closely with the level one customer support to troubleshoot, identify and fix issues within the application code.
* Developed **JUnit** test cases to make sure program runs as per the expectation.
* Designed and developed **Utility Class** that consumed the messages from the Java message **Queue** and generated emails to be sent to the customers. Used **Java Mail API** for sending emails.
* Used **JUnit** framework for unit testing of application and **Log4j** to capture the log that includes runtime exceptions.
* Involved in the Development of **CRUD** functionality for various business components.
* Established secure **SSL** connection with government FINCEN website for suspicious activity report.
* Used **Maven** for build automation.
* Addressed production support issue that couldn’t be addressed by the support team.

# Environment: Scala, Akka, Java, Python, Mysql, Redis, Spring Boot, Hibernate 3.0, Spring JMS, XML, JUnit, Tortoise, RESTful, Gradle, SoapUI 4.5.1 and Log4J, Swagger, Postman, sbt, maven, AWS, GCP, Kubernetes, Kafka.

**Client Name: Informatica LLC, San Mateo, CA**

# May 2017 – Aug. 2017

**Sr. Java Developer**

**Project:** Machine Learning Transformer.

Designed and implemented components in Java that help clients to apply Machine Learning algorithms of Spark’s mllib library from inside the Informatica's Developer tool.

# Responsibilities:-

* Designed and implemented components in **Java** that help clients to apply **Machine Learning** algorithms of

**Spark’s** mllib library from inside the Informatica's Developer tool.

* The component enables users to setMachine Learning configuration they desire to apply on a dataset.
* It thus uses the configuration to learn from the data through training/testing to translate it into corresponding spark scala code.
* The component is generic enough to answer any **supervised learning** query from any dataset.
* Demonstrated the usage of various implemented algorithms to **predict flight departure delays** on an airline dataset.
* Developed a testsuite for the implemented features using **JUnit**.
* Prepared design document Understanding the business requirements and preparing.
* Participated in discussion with business analysts and analyzed the feasibility of the requirements.
* Involved in planning and estimation
* Draw sequence diagrams and Class diagrams using **StarUML**.
* Created new tables, Sequences and written **SQL** queries and **PL/SQL** in Oracle.
* Developed Informant service layerby using **Spring MVC.**
* Developed User interface using **JSF**, **JSP, HTML**, **JavaScript**, **and CSS, AngularJS**, **Ajax** and **JQuery** and **json**.
* Developed **DAO** objects and **Hibernate** mappings.
* Attending the daily Standup Meetings.
* Write the Unit test cases by using **Junit** framework and **Mockito** framework.
* Involved in unit testing and Integration testing
* Involved in Bug Fixing.
* Worked closely with the team and made sure that team followed the **Java** coding guidelines and reviewed the code.
* Utilized **Agile** Methodologies to manage full life-cycle development of the project.
* Implemented **MVC design** pattern using **Struts Framework**.
* Form classes of **StrutsFramework** to write the routing logic and to call different services.
* Created tile definitions, **Struts**-**config** files, validation files and resource bundles for all modules using

# Strutsframework.

* Developed web application using JSP custom tag libraries, Struts Action classes and Action.
* Used Test Driven and behavior-driven design to accomplish requirements.
* Strong experience in using **BODS** as an external system for ETL between **ECC** and **BI**.
* Used SOA services to communicate with messages formally defined via XML Schema (also called [XSD](http://www.javaworld.com/#resources)). Communication among consumers and providers or services typically in heterogeneous environments.
* Used Amazon Web services (AWS) to provide a large computing capacity.
* Designed **Java Servlets** and **Objects** using **J2EE** standards.

**Environment:-** Java,Spark, Scala , HDFS, Jquery, JavaScript, HTML, CSS, Java JDK 1.7, Spring MVC ,Junit, [JMockit](http://jmockit.github.io/index.html), Web services, Agile Methodology, Java/J2EE, SQL, Struts, Hibernate, HTML, AJAX, Java Script, SOLR,AWS,JDBC, XML, UML, JUnit, log4j, SVN and Maven, BODS, SOA Services

**University at Buffalo.**

# Aug 2015- Dec 2016

**Java Developer**

**Project 1 : Amazon Dynamo**

Designed and implemented a replicated distributed key-value storage system in the lines of Amazon Dynamo on

Android.. Data is stored in local SQLite databases supporting partitioning,replication and failure handling.

# Project 2 : Multi Lingual Search System

Implemented complete search system solution that facilitates Multilingual Translation and Search, Content Tagging, Faceted Search and Cross Document Analytics.

# Responsibilities: -

* Understanding the business requirements and preparing the design document.
* Participated in all the phases of the system including designing, coding, testing, building, deployment and supporting the production environment.
* Drew sequence diagrams and Class diagrams using **Microsoft vision** and **Star UML**.
* Created new tables, Sequences and written **SQL** queries and **PL/SQL** in Oracle and My SQL.
* Introduced new user/actor called Dealer in the application and developed using **struts2** and **spring** framework.
* Developed User interface using **JSP, HTML**, **JavaScript**, **CSS, JSON, Ajax** and **JQuery**.
* Developed **DAO’s** for retrieving the data from the database.
* Developed event and event handlers and object initializing using **springIOC** framework
* Developed **MVC** framework by writing action classes and light weightbusiness logic classes using **Struts2**

framework and **Spring3.0**framework.

* Used **Spring MVC** with **Spring Restful** Template to Produce and consume **Restful Web services**.
* Developed Schedulers that communicated with the Cloud based services (AWS) to retrieve the data.
* Converted two mission critical Lotus Notes Applications from the desktop based client to web browser based applications using Xpages.
* Extensively worked on JavaScript for developing application using Java ExtJS.
* Implemented search feature, including document content using search engine Apache SOLR (wild card search, sticky search, auto search).
* Used **Hibernate** Template of **Spring Framework** and **Hibernate** Interceptors.
* Developed database access mechanism by using by **HibernateORM** framework.
* Configured **WebLogic JMS Servers**, JDBC **Data Sources**, **JDBC Connection Pools**, and Bridge to provide

interoperability between **WebLogic JMS** and **IBM MQ Series**..

* Used SOA services to communicate with messages formally defined via XML Schema (also called [XSD](http://www.javaworld.com/#resources)).
* Performed break fix and enhancement work for existing Domino applications.
* Used **Tomcat** as web server to store the static contents and **Jboss** as application server.

**Environment:-** Java JDK 1.7, MySQL, Oracle, Eclipse, Windows, Junits, Web services, Struts1.x, Struts2.x, Hibernate, SOLR, AWS, Agile Methodology, Perforce, Star UML, Apache Tomcat Webserver,Maven, SOA Services.

# Factset Research Systems India Pvt. Ltd, Hyderabad, India June 2013 - July 2015

**Software Engineer II | Full Stack Developer**

**Project I** : **RPD (** *Rapid Product Development* **), Factset, North America.**

RPD is a JIRA like product used for issue tracking and project management internal to Factset. Designed and Developed multiple features for the mobile driven workflow management application using .NET, JavaScript and MSSQL.

**Project II** : **PH** (Product Hierarchy), **Factset, North America.**

Designed and developed various features for a Web service that serves as a tool to understand the company's product hierarchy and ownership and metadata for all the products.

# Responsibilities: -

* Involved in **C#**, **ASP .NET**, **MVC,** web services and **Hibernate** in a fast-paced development environment.
* Deployed code changes that received from Release team in the SIT environment.
* Performed Unit Testing and Integration Testing of the system.
* Analyzed logs to find out the issues in the SIT or Production Environment.
* Co-ordinated with the Onsite and Offshore Team for resolving testing issues.
* Written build scripts with **Ant** for deploying war and ear applications.
* Designed, developed and ensured overall architecture of the system as per the FRD.
* Improved existing software implementations by enhancing features and fixing the bugs.
* Performed code review using SonarTool**.**
* Prepared Junit tests suites to verify the code.
* Ensured successful implantation in SIT, UAT and Production environment.
* Developed the user interface using **ASP** and **Java Script** to view all online trading transactions.
* Designed and developed **Data Access Objects (DAO)** to access the database.
* Used **DAO** Factory and value object design patterns to organize and integrate the **JAVA** Objects
* Used Test Driven and behavior-driven design to accomplish requirements.
* Coded **ASP .NET Server Pages** for the Dynamic front end content that use **Servlets** and **EJBs**.
* Developed asynchronous data retrieval using **AJAX.**
* Coded **HTML** pages using **CSS** for static content generation with **JavaScript** for validations, AngularJS.
* Used **JDBC API** to connect to the database and carry out database operations.
* Used **JSP** and **JSTL** Tag Libraries for developing User Interface components.
* Used SOA services to communicate with messages formally defined via XML Schema (also called [XSD](http://www.javaworld.com/#resources)).
* Performed **unit testing**, **system testing** and **integration testing.**
* Involved in building and deployment of application in **Windows** environment.
* Deploying application in Development and Production servers.

**Environment**: - C#, .NET, ASP .NET MVC, Web API, Entity Framework, JavaScript, AngularJS, JQuery, HTML, CSS, AJAX, Bootstrap, D3.js, XML, JSON, SQL language. Hibernate, Eclipse, TFS, SSMS, Perforce, Visual Stud