

## **PRAKASH REDDY VAKA**

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**5025 GRAND AVENUE, KANSAS CITY, MO 64112**

**Hadoop Developer/ J2EE Developer**

### **Summary:**

- Over 2.5 years of experience in developing and designing Java web applications and various segments of Software Development Life cycle using **IBM WebSphere**
- Strong technical knowledge in **J2EE development** using JSF, JQuery, AJAX, SQL, PL/SQL **Performance tuning, Penetration testing** and troubleshooting
- Extensive experience with different phases of project life cycle (Design, Implementation, Testing, and debugging new and existing J2EE applications)
- Experience in creating automation scripts for deployment on WebSphere Server
- Thorough understanding of **Hadoop** environment and worked with tools like **HBase, Mongo DB, Storm, Sqoop, Flume, Kafka, Hive** and **Pig**
- Currently working as a Research Associate using **Machine learning** paradigms and Big Data tools to solve problems in gesture recognition
- Expertise in designing and developing twitter analysis application using Apache Kafka, Apache Storm and HBase
- Ability to learn new Tools and Technologies rapidly

### **Education:**

University of Missouri – Kansas City

**Master of Science in Computer Science, Expected May 2015**

Narayana Murthy Center of Excellence, Mysore, India

**Training Diploma, December 2011**

CGPA – **4.75 / 5.0** Dec-2011

Andhra University College of Engineering, India

**Bachelors of Science in Electrical Engineering, May 2011**

CGPA – **3.60 / 4.0**

### **Technical Skills:**

**Programming Languages:** CPP, Java, Python, R

**Web Languages:** HTML, Java Script, JQuery, AJAX, CSS, XML, RDF and JSF

**Big data tools:** Apache- Hadoop, HBase, Kafka, Storm, Flume, Sqoop, Mongo DB, Hive and Pig

**Other Skills:** SQL, PL/SQL, Session and cookie handling, Content Management system, Version Control systems, Cross-browser compatibility, Themes, JSR 168, JSR 286, IBM WebSphere Portal Server administration, REST web services, SOAP web services and Scrum Do

### **Work Experience:**

**Research Assistant at University of Missouri-Kansas City**

**Jan 2013 – Present**

- Use supervised 'Machine Learning' Algorithms for classification of gestures.
- Calculate the calories burnt based on the activity and acceleration data.
- Build Android application to connect to 3rd party Bluetooth low energy acceleration sensors.
- Use algorithms such as Naïve Bayes, K-means and Decision trees to detect gestures.

**Technologies:** Hadoop 2.0.0, HBase 0.94.6, Android 4.3, Sensor Tag, BLE 4.0 and Tomcat v7.0

**System Engineer at Infosys Limited, India****July 2011 – Dec 2013**

- Developed and supported portal applications
- Integrating third party applications such as Live-chat, Via – Michelin maps and Atlas (Data collection tool)
- Worked on client side validations and layout using jQuery, CSS and Java script
- Developed various JUnit Test cases for unit and functional testing
- Involved in development of JSF Service classes for interaction between two different platform systems
- Worked with Software Oriented Architecture systems
- Worked with various IBM tools such as, IBM WebSphere Portal Server 6.1, Application Server 6.1, IBM Lotus content management systems
- Managed and fixed bugs in Load testing and penetration testing phases of the project
- Closely worked with Waterfall, Spiral and Agile models of project developments
- Participated in designing the course structure, material and instructed new trainees on key concepts of WebSphere portal server, Lotus content management system and basics of JSR 286 specification

**Technologies:** IBM WebSphere portal 6.1, J2EE/ Java 1.5, JSF 2.0, JSP, Web Services, Java Script, HTML, JQuery, JAXB, JAX-WS, Eclipse IDE, Maven 3.0, Oracle -9i/10g, LDAP Directory Server, SVN Control System 1.7, Tomcat 6, IBM Rational Software Architect 7.5

**Projects****Tweet Sentiment Analysis, University of Missouri-Kansas City-IBM Bluemix****Feb 2014**

- Develop a text analysis application which could classify tweets into happy or sad based on location
- Design and develop a web application to retrieve the results from MySQL and plot in world map
- Using twitter OAuth protocol and collect tweet data using Java/Python
- Developed in 72 Hours, as class project

**Technologies:** Apache Hadoop, MySQL, HTML, CSS, Google Maps V3.0, JavaScript, AJAX

**Certifications:**

- Microsoft 480 Certified in HTML5, JQuery and CSS
- IBM WebSphere Portal Solution developer 7.0

**Awards and Honors:**

- Ranked 99.4 percentile at the Nation level competitive exam for Under-Graduate entrance test
- President of Student Body Council at Andhra University College of Engineering, India
- Awarded “RASHTRAPATHI PURASKAR” by President of India for Social service activities as a Scout