

# Kalgi Jani

Software Engineer at Microsoft

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## Summary

- Software Engineer at Microsoft.
- Industrial experience in distributed databases and machine learning as Software Development Intern.
- Hands on experience with various big data and machine learning technologies.
- Proficient in java programming.
- Worked on various web projects involving backend, database design and full stack development
- Experience in all phases of Software Development Life Cycle (SDLC) like requirement gathering, creating design document, development and testing.

### Technical Proficiency:

- Programming Languages: Java/J2EE, C++, C, R, PHP, hibernate framework (Java)
- Web Technologies: HTML, CSS, XML/JSON, JavaScript, jQuery, Ajax, Bootstrap, JSP, Servlets, REST and SOAP web services
- Databases and Operating Systems: MySQL, Oracle, NuoDB, Couchbase; Windows, Linux, CentOS
- Big-Data & Machine learning Technologies: Hadoop - MapReduce, Pig-Latin, Hive, Cassandra, Apache Spark ; Mallet, Apache Mahout
- IDEs and Tools: Eclipse, Net beans, Dreamweaver, Google App Engine, GIT

### Areas of Interest:

- Software/web development
  - Database design and management
  - Big data analytics and machine learning
  - Server side programming
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## Experience

### **Software Engineer at Microsoft**

September 2016 - Present

### **Software Development Intern at Kasisto Inc.**

August 2015 - December 2015 (5 months)

# Created a tool in java which automates the process of synchronizing the frequently changing client data with system data. This tool provides around 16 different functionalities and saves 10 hours of an engineer's work.

# Designed and developed an application in java to implement machine learning algorithm (Topics Modelling) for natural language Question-Answer system using Mallet API. This application also analyzes the result by creating histograms for each target class and measures similarity between them. The overall accuracy of the system was increased from 70% to 80% by merging the target classes with most similar histograms.

### **Software Engineering Intern at Kodiak Networks**

May 2015 - August 2015 (4 months)

- Created clusters of NuoDB (Distributed RDBMS) nodes and Couchbase (Distributed NoSQL) nodes for automatic load balancing and elastic scalability. Developed test cases to compare the performance of both the clusters in terms of the latency and load balancing which helped in making the critical decision in architecture.
- Implemented “Consul” tool for automatic service registry and service discovery so that any service can request for available databases/servers without knowing their static IPs. Added health checks in the Consul to filter out unhealthy database nodes/servers in service discovery results.
- Created Dockers for smooth and efficient installation of NuoDB, Couchbase and Consul on each node.

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## Education

### **The University of Texas at Dallas**

Master’s Degree, Computer Science, 2014 - 2016

### **Gujarat Technological University**

Bachelor of Engineering (BE), Computer Engineering, 2010 - 2014

**Activities and Societies:** Yuva Unstoppable

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[Contact Kalgi on LinkedIn](#)