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# RAHUL KADAM

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## EDUCATION

**Syracuse University, Syracuse, NY**                                                                **Jan 2017 – Dec 2018**
Master of Science: Computer Engineering, GPA - **3.9/4.0**

**University of Mumbai, India**                                                                       **June 2009 – May 2013**
Bachelor of Engineering: Computer Engineering, GPA - **3.8/4.0**

## EMPLOYMENT

**Software Engineer, Syracuse University**                                                           **Jan 2017 – Current**
- Designed & Developed web and mobile applications with backend services in Node.js-Express.js, MongoDB and MySQL serving both web and mobile user interface in React and Java for Android respectively.
- Built Big Data Pipelines to handle/store user interactions and performed data analysis using various machine learning algorithms on Hadoop & Spark Ecosystem.
- Improved performance of application by 57% by transforming legacy Spark RDD's to Spark Data Frames.
- Integrated Apache Kafka with Elasticsearch using Kafka Elasticsearch connector to stream all messages from different partitions and topics into elastic search for search and Analysis purpose.
- Deployed and managed applications on Amazon Web Services (AWS).

**Application Development Analyst, Accenture**                                                        **Nov 2013 – Dec 2016**
- Developed Java web applications using Spring MVC and Hibernate with MySQL Database.
- Implemented RESTful and SOAP based web services using Spring Boot, JAX-WS, JAX-RS, Maven as a build tool and Oracle as an enterprise level database.
- Developed Junit and Integration test cases improving the code coverage to 95%.
- Developed Microservices in Node.js-Express.js consumed by Angular/React deployed on Docker and managed using Kubernetes.

## TECHNICAL SKILLS

- Programming lang.:     Java, JavaScript, Python, Scala, C#, C++, SQL.
- Web - Frontend:        HTML, CSS, Bootstrap, jQuery, Angular, React.
- Web - Backend:         Node.js, Express.js, PHP, Java EE, Spring, Hibernate.
- Big Data & Cloud:      Hadoop, Spark Ecosystem & Amazon Web Services (AWS).

## PROJECTS

**Kayak Travel Reservation:**          *React-Redux, Node.js, Express.js, MongoDB, MySQL, Apache Kafka, Elasticsearch, Redis*
- Kayak.com like distributed enterprise web travel reservation application which enables users to search for Cars, Hotels and Flights and make a reservation, integrated with Apache Kafka-Messaging Layer, Elasticsearch -Search.

**Dropbox:**                           *React-Redux, Spring Boot, Spring Data, Hibernate, MySQL, Passport.js*
- Dropbox.com like distributed enterprise web application which enables users to upload-delete files/folders, share files/folders, create groups & add/delete.

**Alexa Poly Skill:**          *Python, AWS-S3, API Gateway, Lambda, DynamoDB, SNS, Poly, Cognito, Route 53, CloudFront, Alexa Skill*
- Scalable web application using serverless architecture which converts text to audio mp3 files and creates an Alexa skill which can read these audio files on command from user

**Web Server Logs Data Pipeline:**     *Apache Spark, Spark Streaming, Apache Kafka, HDFS, Flume, HBase, Hive, Impala, Oozie*
- Data pipeline for processing web server logs using Lambda Architecture which implements Batch, Speed and Serving Layers using various Big Data Technologies.

**Yelp Dataset Visualization:**                        *Apache Spark, Elasticsearch, Kibana, Sqoop, MySQL, HDFS*
- Analyze business reviews from Yelp dataset and ingest the final output of data processing in Elastic Search. Also, used visualization tool-Kibana in the ELK stack to visualize various kinds of ad-hoc reports from the data.

**Predict Cancer Analysis:**                                                                         *Python*
- Predict whether a mammogram mass is benign or malignant using Machine Learning Algorithms such as: Decision tree, Random forest, KNN, Naive Bayes, SVM, Logistic Regression and a neural network using Keras.

**Remote Build Server:**                               *C#, Multithreading, Process Pool, WCF, WPF, XML*
- A Continuous Integration Tool that builds C# Source code submitted from multiple clients and displays results on a desktop app built using WPF and communication between clients occurs through WCF.

**Remote Code Publisher:**                             *C++, Multithreading, C++/CLI, Sockets, HTML*
- Publishes source code files into html pages using Type-Based Dependency Analyzer and C++ socket-based communication channel using HTTP style messages with a GUI in C++/CLI for the user.

**Foodie Social Media Mobile App:**                                                          *Android – Java*
- Instagram like Social Media Mobile app for Food Lovers where users can follow other users & create/share posts with images. Used Backend-as-Service in Firebase with Realtime Push Notifications.